



CALPINE

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June 14, 2002

Mr. Steve Munro, Compliance Project Manager
California Energy Commission
1516 9th Street, MS 2000
Sacramento, CA 95814

Subject: Metcalf Energy Center 99-AFC-3
Monthly Compliance Report #8

Dear Mr. Munro:

In accordance with the CEC Commission Decision, enclosed please find a Monthly Compliance Report (Report), Key Events List and Compliance Matrix for the Metcalf Energy Center. This report is for the period beginning May 1 through May 31, 2002.

The Report lists those Conditions of Certification that require submittal with the Monthly Compliance Report as stated in the Commission Decision. These submittals are listed in the Report and are attached.

A copy of this report is also being submitted to the library nearest the project site, Santa Teresa Branch Library, as required in the Commission Decision.

If you have any questions please call me at (925) 200-1193.

Sincerely,

A handwritten signature in cursive ink that reads "Kristen Sipes".

Kristen Sipes
Environmental Compliance Manager
METCALF ENERGY CENTER

Enclosures

cc: Ken Abreu, Calpine
Steve DeYoung, Calpine
Nick LaPorte, Calpine
David Newman, Willdan

**Metcalf Energy Center
99-AFC-2**

**Monthly Compliance Report #8
May 1 – May 31, 2002**

1. Project construction status

Plant area: Perimeter security fence was installed at the keystone retaining wall. A small area of the temporary visual screen at the retaining wall was not completed. Plant area CIVIL-1 requirements are complete with exception of the storm water outfall, which is awaiting permit approval from the appropriate agencies. The riparian fence relocation on the west and north sides of the plant area was completed.

Railroad spur: Work is complete with exception of the Stacy and Witbeck punch list and electrical signal tie-in by Union Pacific Rail Road.

South laydown area: Continue to receive, offload and store equipment. Equipment is being meggered as required and rusted flanges, valves, etc. were cleaned and coated with Cosmoline.

North laydown area: Equipment requiring temporary power was relocated to the north laydown area. Equipment requiring indoor storage is being stored in the temporary warehouse.

Temporary trailer facilities: Power, phone and data lines were installed at the trailer complexes. Installation of office furniture began. Construction of ADA ramps and wood decks began. A 6500-gallon water tank was set in place to satisfy Fire Department requirements. Plumbing is being installed in the restrooms and kitchen.

Engineering:

Key Accomplishments

- 1) The following documents were issued by Burns and Roe Enterprises, Inc.:

- Issued the following documents to CBO for approval:
 - Revised Piling Testing Documents (ENC No. 001)
 - Steam Turbine Platform Foundation design calculation,
 - Steam Turbine Platform Pile plan, (Drawing S120, Rev.0)
 - South Laydown yard Sediment and Erosion Control Plan (Drawing C050, Rev.0)
 - Sediment and Erosion Control Notes and Details (Drawing C060, Rev.0)
 - Sediment and Erosion Control Details (Drawing C061, Rev.0)
- Issued the following documents for construction:
 - Electrical Symbol Lists
 - Key One Line Diagram
 - 21 Installation/Equipment Specifications
 - CTG Embedded Conduit
- Issued the following documents for review:
 - (19) Equipment specifications

- 480V Switchgear & MCC one line diagrams
- Load Flow and voltage drop calculation
- 480 V Power panel schedule
- BOP electrical/control bldg. plan

2) Engineering Tasks:

- Burns and Roe continued to support construction effort
- Continued with design of the cooling tower basin, pipe rack framing, steam turbine platform steel framing and foundation
- Continued to coordinate design of visual and sound attenuation screens
- Continued to develop PDS 3D model:
 - a. Underground piping
 - b. Steam Piping
 - c. Underground Electrical system
 - d. Structural steel
 - e. Equipment
- Continued to review of vendor documents
- Continued to develop under ground services
- Continued to develop P&IDs
- Started development of :
 - Gland Steam System
 - HRSG Blow down system
 - CW Pump intake structure design
 - Fire Pump Specification
- Continued development of the following electrical tasks:
 - 480V Switchgear Elementary Diagrams
 - Grounding Calculations
 - HRSG Tray Design
 - Development of equipment and installation specifications

3) Major Equipment

- Combustion Turbine Generators: Both of the CTs are fabricated and are in transit. The generators are in transit.
- Steam Turbine and its generator are in fabrication
- The condenser is in fabrication
- HRSG engineering is in progress and design documents are submitted to CBO for approval
- Evaluating proposals for the Circulating Water Pumps and Condensate Pumps
- The water treatment system bid package is in preparation
- Purchased Generator step up transformers and Auxiliary transformers
- Boiler Feedwater pumps from another Calpine project is considered for MEC

Activities planned for next month

Plant area: Vertical and horizontal control will be established for test piles. Test piles are scheduled to begin on June 25th. Static load tests will follow. A letter was sent to the neighboring community informing them of the test pile activity. Completion of the temporary visual screen on the security fence will be completed the first week of June.

Railroad spur: Stacy and Witbeck will complete punch list by second week in June. UPRR will certify rail spur upon completion of electrical signal requirement.

South laydown area: Equipment will continue to be received, hoisted, set and maintained.

North laydown area: Receipt and placement of equipment will continue.

Temporary trailer facilities: Certificate of occupancy will be obtained the first week in June. Calpine, Mortenson, Siemens-Westinghouse and CBO will occupy the trailers.

Engineering:

Work planned for June:

- Complete the integrated project schedule
- Continue to review vendor drawings for CTGs, STG and HRSGs
- Continue engineering design development
 - Complete under ground fire loop drawings
 - Fire Risk Analysis
 - Field Erected Tank calculation and specification
 - Auxiliary Cooling Water Pump specification
 - Finalize Circ Water Pump intake structure
 - Fuel Gas System
 - Pipe rack design
 - Major equipment foundation design
 - 3D model
 - Electrical one line diagrams
 - Equipment specifications
 - P&IDs
 - Equipment list
 - Pipe Specifications
 - Grounding calculations
 - Line/Valve/Pipe specialty lists
 - Instrument installation details
 - Preparation of control valve data sheet
 - Issue Specification 16920, Continuous Emission Monitoring System for construction
 - Issue Conduit at the HRSG's for construction
 - Continue with equipment installation specifications
- Continue to support construction

MEC Litigation Update

1. The California Supreme Court (Decision 2-28-02)
 - a. The Supreme Court denied STCAG appeal on February 28, 2002.
 - b. The denial is final and non-appealable in California courts.
2. Sacramento Superior Court (Decision 2-22-02)
 - a. MEC's Demurrer was granted on 2-22-02, dismissing the suit for lack of subject matter jurisdiction.
 - b. STCAG had indicated in the press that it intends to appeal this dismissal for lack of subject matter jurisdiction.
 - c. Proposed Order Sustaining Demurrer was sent to the Judge for signature on March 14, 2002. The CEC sent a revised order and notice of judgment the last week of April.
 - d. We received a notice of intent to file an appeal from STCAG. STCAG will be appealing the Demurrer to the Third District Court of Appeals, dated May 8, 2002. By letter dated June 6, 2002, the office of the Clerk for the Third Appellate District notified STCAG that the reporter's transcript had been filed. STCAG's brief and appendix are due by July 5, 2002. STCAG may seek an extension of this filing time period, as has been their practice. MEC's reply brief will be due 30 days after STCAG's brief is due.
3. U.S. Ninth Circuit Court of Appeals (Pending)
 - a. This appeal asks the Federal Court to overturn the decision of the U.S. EPA's Environmental Appeals Board (EAB) confirming that the MEC Prevention of Signification Deterioration (PSD) permit was properly issued.
 - b. The Petitioner's initial briefings have been filed, and the U.S. government filed its response brief April 12, 2002.
 - c. Calpine's brief will be filed May 13, 2002.
 - d. All briefing is schedule to be completed by late- May 2002.
 - e. This matter will likely be heard by the Court in November or December 2002.
4. STCAG lawsuit against the City: recycled water line (Pending)
 - a. STCAG has sued to stop the City's construction of its preferred waterline route.
 - b. Administrative record is being prepared.
 - c. Plaintiff's brief received. Calpine's brief is due 6/6/02. STCAG's reply brief is due 6/17/02.
 - d. Hearing set for 6/20/02.

2. Documents required to be submitted with Monthly Compliance Report

AQ-48	Summary of monthly activities related to the Fugitive Dust Control Plan is attached.
AQ-52	Receipt of Ultra Low Sulfur Fuel is attached. Copy of Sheedy Drayage Company contract language (stating use of ultra-low sulfur fuel and restrictions to engine idle time) attached.
BIO-2	Summary of Designated Biologist's written records is attached.
BIO-6	WEAT training presented to 19 on site personnel.
CUL-5	WEAT training presented to 19 on site personnel.
CUL-7	Weekly construction schedules are attached.
CUL-8	Weekly summary reports attached.
PAL-3	WEAT training presented to 19 on site personnel.
PAL-4	A summary report is attached.
LAND-1	There is no update on trail developments.
SOCIO-1	List of planned procurement of materials and hiring outside the local regional area is attached.
GEN-3	Copy of March payment to CBO attached.
TRANS-1	1 oversize/overweight permit obtained.

3. Compliance matrix

A Compliance Matrix is attached.

4. Conditions that have been satisfied during the reporting period

LAND-6	Photographic evidence that protective measures have been applied to areas in the north laydown area was submitted.
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5. Submittal deadlines not met

There are no outstanding pre-construction submittals.

6. Approved COC changes

- A request for amendment was submitted 11/30/01 and approved 12/21/01. The amendment allows for an additional 14 acres of laydown area south of Blanchard Road and west of the railroad tracks.

7. Filings or permits with other agencies

- An addendum to Santa Clara Valley Water District permit no. 01495 was received. The addendum approves a change in the location of the outfall into Fisher Creek.

8. Projection of project compliance activities for next two months (June - July)

AQ-41 and 51	Surrender emission reduction credits
AQ-48	Will follow dust mitigation measures

AQ-49 and 50	Dust will be monitored and activities recorded
CUL-5	Training will be provided as needed
CUL-7	Will submit weekly schedule to resource specialists
CUL-8	Cultural specialist will perform required duties when necessary
CUL-9	Cultural specialist will perform required duties when necessary
BIO-2	Biologist will perform required duties when necessary
BIO-6	Training will be provided as needed
BIO-7	Submittal of permit application to Department of Fish and Game to install stormwater outfall
BIO-9	Submittal of permit application to U.S. Army Corps of Engineers to install stormwater outfall
SOIL/WATER-7	Submittal of permit application to Regional Water Quality Control Board to install stormwater outfall
PAL-3	Training will be provided as needed
PAL-4	Paleo specialist will perform required duties when necessary
VIS-5	Will complete installation of aesthetic screen and notify CPM when it is ready for inspection
VIS-10	Will submit revised Plume Abatement Plan
VIS-12	Will submit plan for Blanchard Road landscaping
CIVIL-4	Will submit signed statement from responsible civil engineer that phase 1 grading and erosion and sedimentation control has been completed in accordance with the final approved grading plans.
WORKER SAFETY-1	Will submit Risk Analysis (for plant operation) to CBO and City of San Jose Fire Department.

9. Additions to on-site compliance file

- Silt fence inspection logs
- Straw bale inspection logs
- Public road cleaning logs
- Erosion and sediment control inspection logs
- Water truck logs
- Biological monitor daily logs
- WEAT training logs
- Oversize/overweight vehicle permit

10. Requests to dispose of items

None

11. Listing of complaints, notices of violations, official warnings, and citations

Attached. Includes call log for calls received on MEC public information line.

12. List of facility design submittals, comments and approvals to CBO

Matrix and comments are attached. Also attached is a status report prepared by the Delegate CBO.

CBO Approvals:

- STRUC-1: Piling Drawings and Calculations for CTG, STG, and HRSG Calculations (app. May 8, 2002)
- STRUC-1: Seismic Calculations, 200 Gallon Reservoir Hydraulic Power Unit (app. May 10, 2002)
- STRUC-1: HRSG Pile Location Plan, S300 (app. May 15, 2002)
- STRUC-1: Engineering Change Request #001, Revised Documents for Pile Testing (app. May 15, 2002)
- STRUC-1: Civil/Structural Design Criteria (app. May 15, 2002)
- STRUC-1: Piling Drawings and Calculations HRSG Foundations (app. May 16, 2002)
- STRUC-1: Drawings and Calculations for CTG Foundations (app. May 31, 2002)

KEY EVENTS LIST

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #8

KEY EVENTS LIST

PROJECT: Metcalf Energy Center DATE ENTERED: September 24, 2001

DOCKET #: 99-AFC-3 PROJECT MANAGER: Nick LaPorte

Event Description	Date Assigned
Date of Certification	September 24, 2001
Start Rough Grading	February 1, 2002
Complete Rough Grading	April 30, 2002
Start of Construction	November 4, 2002
Completion of Construction	January 5, 2004
Start of Operation (1 st Turbine Roll)	May 3, 2004
Start of Rainy Season	Mid-October
End of Rainy Season	Mid-March
Start T/L Construction	January 13, 2003
Complete T/L Construction	November 14, 2003
Start Fuel Supply Line Construction	September 3, 2002
Complete Fuel Supply Line Construction	September 5, 2003
Start of Water Supply Line Construction	April 1, 2002
Completion of Water Supply Line Construction	November 1, 2002
Start Implementation of Erosion Control Measures	January 14, 2002
Complete Implementation of Erosion Control Measures	June 1, 2004

CONDITION OF CERTIFICATION AQ-48

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #8

Summary of monthly activities related to the Fugitive Dust Control Plan:

Activities to control fugitive dust were minor during the month of May because there was minimal construction activity. A sweeper was called to clean Monterey Road, Blanchard Road and the site access road on May 23rd following a rain event. Stockpiles and exposed areas were monitored daily for fugitive dust.

CONDITION OF CERTIFICATION AQ-52

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #8

Coast Oil Company, LLC Marketers & Manufacturers
"since 1935"

4250 WILLIAMS ROAD • SAN JOSE, CA 95129-3341

FED I.D. NO. 770584351
RESALE NO. SR GH 97953643
FUEL RESALE NO. SG GH 78020404

OFFICE (408) 252-7720
OFFICE FAX (408) 255-5263
PLANT (408) 251-0811
ORDER DESK (408) 342-0221

REMIT TO: COAST OIL COMPANY, LLC
4250 WILLIAMS ROAD
SAN JOSE, CA 95129-3344

HAZARDOUS MATERIAL NUMBER
CALL (PERS): 1-800-633-8253

DATE: _____

05-09-02

INVOICE NUMBER 197520

SOLD TO: 1815
SHEEDY DRAYAGE CO.

SHIP TO: 1815
SHEEDY DRAYAGE CO.

P. O. BOX 77004
SAN FRANCISCO, CA 94107

METCALF ENERGY CENTER
CORNER OF BLANCHARD & MONTEREY

(415) 648-7171

(415) 648-7171

PRODUCT	BEFORE	AFTER	HTR NO. / TANK I.D.	THIS INVOICE DOES NOT INCLUDE STATE OR FEDERAL EXCISE TAXES, SUPER FUNDS OR SURCHARGES UNLESS SHOWN AS A SEPARATE LINE ITEM.	SALES TAX	
					8.50	
					TOTAL →	

CONTRACT

FOR

CONSTRUCTION SERVICES

by and between

METCALF ENERGY CENTER LLC

and

SHEEDY DRAYAGE COMPANY

Dated as of March 21, 2002

METCALF ENERGY CENTER

EXHIBIT A

SCOPE OF WORK

Contractor will furnish all plant, labor, technical and professional services supervision, materials and equipment (other than materials and equipment specified as furnished by others) and to perform all operations necessary to offload, transport to designated storage locations, set and support all equipment involving the two combustion turbine trains, the steam turbine train, and the heat recovery steam generators for the Metcalf Energy Center Project in San Jose, California. The Scope of Work includes, but is not limited to the following:

1. Unload all equipment greater than 10,000 pounds according to the attached 501F Storage Reference List (Attachment 1) from the delivery method indicated. (The bill of materials is typical for two (2) sets of equipment.) Unload miscellaneous minor equipment including but not limited to the low pressure steam turbine lower case, upper case, rotor and two condenser halves
2. Transport the material off-loaded to the location indicated by the Construction Manager within the area identified on drawing 0-C2-0000-00002 and unload on to temporary support foundations if required by the manufacturer.
3. Provide all support mats and dunnage required for the lifting, transportation and setting of all indicated material.
4. Provide all dunnage and cribbing required for setting of the material in its temporary location as well as the dunnage and cribbing required for the support of the material as required by the manufacturer.
5. Load from the temporary storage area, transport, and rough set the two combustion turbines on the permanent foundations.
6. Load from the temporary storage area, transport, and rough set the two generators on the permanent foundations.
7. Load from the temporary storage area, transport, and rough set the two unit transformers on the permanent foundations.
8. Load from the temporary storage area, transport, and rough set the steam turbine, steam turbine generator, unit transformer and condenser on the permanent foundations.
9. Provide all equipment and material necessary during the loading, transportation, and setting of all equipment such that the ground pressure limit of 4,000 pounds per square foot (ppsf) is not exceeded in the areas of the eastern power train, the administration and wastewater treatment plant buildings and the property to the south of that area, and that a ground pressure limit of 1,000 pounds per square foot is not exceeded in all other areas north and west of the 4,000 ppsf area.

The Work will be performed generally in accordance with the Work Schedule (Attachment A-2) incorporated herein by this reference.

Contractor shall comply with all requirements of the Presiding Members' Final Decision on the Application for Certification (AFC) including the California Energy Commission's Conditions of Certification to the California Energy Commission ("CEC Final Decision") as it relates to the Contractor's responsibilities under the Contract. Such compliance shall include, but is not limited to:

- Limit engine idle time to 10 minutes or less to the extent practicable (AQ-52).
- Use Ultra Low Sulfur Fuel in diesel burning construction equipment as identified in the Metcalf Construction Mitigation Plan (AQ-52).

CONDITION OF CERTIFICATION BIO-2

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #8

**Biological Resources
Mitigation Monitoring for the
Metcalf Energy Center**

MONTHLY COMPLIANCE REPORT #8

May 2002

Prepared by:

CH2M HILL

2485 Natomas Park Drive, Suite 600

Sacramento, California 95833

Biological Resources Mitigation Monitoring for the Metcalf Energy Center
Monthly Compliance Report-May 2002

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- A) Photographs
- B) Cumulative Wildlife Species Observed in or Near the Project Area
- C) Wildlife Observation Forms
- D) WEAT Sign-In Sheets

METCALF ENERGY CENTER

MONTHLY COMPLIANCE REPORT

May 2002

INTRODUCTION

The Metcalf Energy Center (MEC) site is located in the Santa Clara Valley within the Urban Service Area of south San Jose. The MEC will be a 600-megawatt natural-gas-fired combined cycle power plant with the following features:

- A 230-kilovolt (kV) switchyard and approximately 240 feet of new 230-kV transmission line that will loop into the existing Pacific Gas and Electric (PG&E) 230-kV Metcalf-Monta Vista No. 4 transmission on Tulare Hill.
- An approximately one mile, 16-inch natural gas pipeline that will connect to an existing PG&E transmission backbone pipeline that runs along the eastern side of U.S. 101.
- An approximately 10.2-mile water pipeline from a tap into the South Bay Water Recycling Program's (SBWR) existing main pipeline in eastern San Jose will be used for cooling water.
- An approximately 1.2-mile water pipeline will supply domestic and backup water supplies.
- A stormwater detention basin and discharge outfall structure to Fisher Creek.
- A new access road from Monterey Road at the Blanchard Road junction and visual screening and landscape corridor along the new access road that will require 6 acres of agricultural land south of the MEC site.
- A second access road (west access road) may extend from Santa Teresa Boulevard to the MEC site that will require 2.0 acre of agricultural land.
- Two temporary construction laydown yards totaling 24.8-acres are located in agricultural land south of the MEC site.

The project was designed to avoid significant negative impacts to sensitive biological resources to the furthest extent feasible. Mitigation measures were developed through consultation with the U. S. Fish and Wildlife Service (FWS), U. S. Army Corps of Engineers, National Marine Fisheries Service, California Department of Fish and Game, and Water Quality Control Board to minimize unavoidable project impacts. Permits and authorizations from these agencies included conditions that must be monitored by the Designated Biologist. The Biological Monitor will be present onsite during all phases of construction to ensure compliance with the mitigation measures outlined in the *Biological Resources Mitigation Implementation and Monitoring Plan* (BRMIMP). The following report includes all MEC project activities monitored during May 2002.

MONITORED MITIGATION MEASURES

A Worker Environmental Awareness Training (WEAT) program was developed exclusively for the MEC project. Program materials include a handbook, video, and poster. During May, the WEAT program was administered as required by BIO-6 of the "Conditions of Certification" (COC) from the California Energy Commission's (CEC) *Commission Decision*.

In compliance with COC BIO-2, the Biological Monitor examined and cleared Phase 1 activity areas immediately prior to and during May activities.

The following conditions described in the FWS Biological Opinion (BO) remained pertinent to the May monitoring efforts:

- Garbage must be removed from the site.
- Activity must be limited to the minimum necessary.
- The boundaries of the site will be clearly marked.
- All equipment, personnel, and access shall be confined to designated work areas and connecting roadways.
- Refueling will occur at least 50 feet away from aquatic habitats.
- Weekly California red-legged frog surveys will be conducted in work areas (following the 10 days of daily surveys conducted in January).
- Bullfrogs found during amphibian surveys, including adult, subadult, and larval bullfrogs, shall be captured and killed.
- The Biological Monitor will inspect the erosion control features daily.
- Concrete trucks must be washed within a designated area with a surrounding berm.

The Monitor was available throughout the month to respond to biological issues as needed. May activities are described below.

SUMMARY OF ACTIVITIES

This report includes project activities that took place during May 2002. May activities included phase 1 site preparation and presentation of the WEAT program to project personnel. The following provides a description of these activities. Relevant photographs are included in Appendix A. A cumulative wildlife species list is included in Appendix B. Wildlife Observation forms are included in Appendix C and WEAT sign-in sheets are included in Appendix D. The Biological Monitor completes daily logs summarizing activities, personal interactions, and observations. These logs are available on request.

Phase 1 Site Preparation

May Phase 1 site activities include continued construction/installation of the following: offsite access road, security fence, office center, materials storage area, utility structures, and erosion control. Some of these activities will likely continue into June 2002.

The Biological Monitor performed general and species-specific wildlife clearance surveys immediately prior to and during all ground disturbance activities. The Biological Monitor continued to survey for injured, dead, or entrapped wildlife throughout each construction zone. In compliance with FWS requirements, the Biological Monitor continued to perform weekly

surveys for California red-legged frogs in and around all work areas. In addition, the Biological Monitor surveyed Fisher Creek for bullfrogs.

Offsite Main Access Road

The Main Access Road extends from Blanchard Road north to the MEC site. The offsite portion of the access road comprises the first 400 feet of road. This offsite portion was completed in May. Activities included installation of guardrails, curbing, and final grading of road shoulders.

Security Fence

When completed, the Security Fence will enclose the MEC footprint, laydown yards, and main access road. This month, sections of the fence were installed along the east and west sides of the MEC footprint.

Two sections of fence were also removed and realigned to remedy a previous noncompliance. The fence had been placed within the Santa Clara Valley Water District (SCVWD) 25-foot no-work riparian setback. Realignment of the fence began on May 2nd. The fence was realigned under the direction of the Biological Monitor. The existing poles were removed using a small Bobcat machine. A power auger was used to dig the new holes. Spoil from the newly excavated post holes were used to backfill the previously excavated holes. New poles were inserted and reinforced with concrete. Re-alignment was completed on May 16th after attachment of the chain-link. (Photograph in Appendix A.)

A short segment of the security fence alignment will remain open until the stormwater outfall is constructed. Outfall construction will be completed during Phase 2 activities.

Office Center

Installation of the Office Center continued this month. The office center is located north of the temporary railroad spur and west of the main access road. Activities included installation of office furniture and wiring for phone lines and electrical power. The office center will likely be completed prior to Phase 2 activities.

Construction Materials Storage Area

The Construction Materials Storage Area is located within the north laydown yard. Final construction of this temporary storage area was completed on May 2nd.

Utilities

The temporary water line was completed this month. May construction activities included installation of a 3000-gal water tank, installation of a pump, and electrical connection to an existing power pole. These activities occurred in an agricultural field west of the south laydown yard, adjacent to an existing water well. (Photograph in Appendix A.)

On May 1st, construction personnel discovered an active bird nest in a small transformer box while attempting an electrical connection associated with the water line. Work was suspended and the Biological Monitor was notified. After observing adult birds attempting to feed the nestlings, the Monitor identified the nest as that of European starlings (*Sturnus vulgaris*). See appendix C for Wildlife Observation Forms. The Biological Monitor contacted the Designated Biologist for further direction. The Designated Biologist confirmed that the starlings are invasive species with no regulatory protection requirements, and therefore did not require protection or avoidance measures to be implemented. However, it was determined by the

contractors that access to the box was not necessary, and that the electrical connection could be made directly to the power line. The nest and birds were not removed.

Erosion Control

Hydro-seeding and installation of other erosion control measures continued this month. Exposed earthen slopes were seeded with a prescribed erosion control native seed mix. The mix includes California native brome (*Bromus carinatus*), California melicgrass (*Melica californica*), blue wild rye (*Elymus glaucus*), California golden poppy (*Eschscholzia californica*), arroyo lupine (*Lupinus succulentus*), and zorro fescue (*Vulpia myuros*). In addition, straw bales and silt fence were installed around soil stockpiles.

On May 2nd, the contractor removed approximately 28 feet of the silt fence along the north boundary of the MEC site because blocked access to the existing PG&E Fisher Creek crossing. With CEC approval the silt fence was replaced with a triangular foam siltation berm. In addition, straw bales and straw waddles were installed adjacent to the triangular berm as a secondary filtration backstop. An additional 5 feet of triangular foam berm was installed further upland of the crossing, below the slope of the elevated footprint site. (Photographs in Appendix A.)

Erosion measures were inspected periodically throughout the month, particularly after the light rainfall events of May 19th and 20th. All measures were found in good repair and function.

Power Plant Materials Storage

Heavy haul trucks continued to transported equipment onto the north and south laydown yards. All traffic was confined to previously established roads. These activities will continue through the coming months.

WORKER ENVIRONMENTAL AWARENESS TRAINING

In May, WEAT continued with the presentation of a training video, distribution of WEAT handbooks, and a question and answer period with the Biological Monitor.

A total of 19 personnel received WEAT training during May for a total of 281 employees trained at the Metcalf Energy Center. The Calpine Compliance Manager administered the WEAT training to 9 of those employees in the absence of the Biological Monitor. A list of May WEAT attendees is included in Appendix D. Signed affidavits are kept on file by both Calpine's Compliance Manager and the Designated Biologist.

GENERAL NOTES AND OBSERVATION

May site activity was minimal with all activity confined to previously disturbed areas. The Biological Monitor's duties were limited accordingly. The Biological Monitor reported to the site as necessary, particularly during security fence realignment and WEAT training. For most of the month, the Biological Monitor remained on-call. Although phase 1 activities are ongoing (e.g. equipment delivery, construction of office center), the Biological Monitor's duties will likely remain limited until the commencement of Phase 2.

Calpine's Environmental Compliance Manager continues to be cooperative with informing the Biological Monitor of upcoming site activities.

The Biological Monitor continued surveys of the project site and vicinity to assess nesting activity within 500 feet of project activities. Areas surveyed included the Fisher and Coyote

Creek riparian corridors as well as other trees in the vicinity. No sensitive species were observed nesting, however, active nesting was observed by house sparrow (*Passer domesticus*), Bullock's oriole (*Icterus bullockii*), and cliff swallow (*Petrochelidon pyrrhonota*). Additionally, house finch (*Carpodacus mexicanus*), oak titmouse (*Baeolophus inornatus*), and mallard (*Anas platyrhynchos*) fledglings were observed.

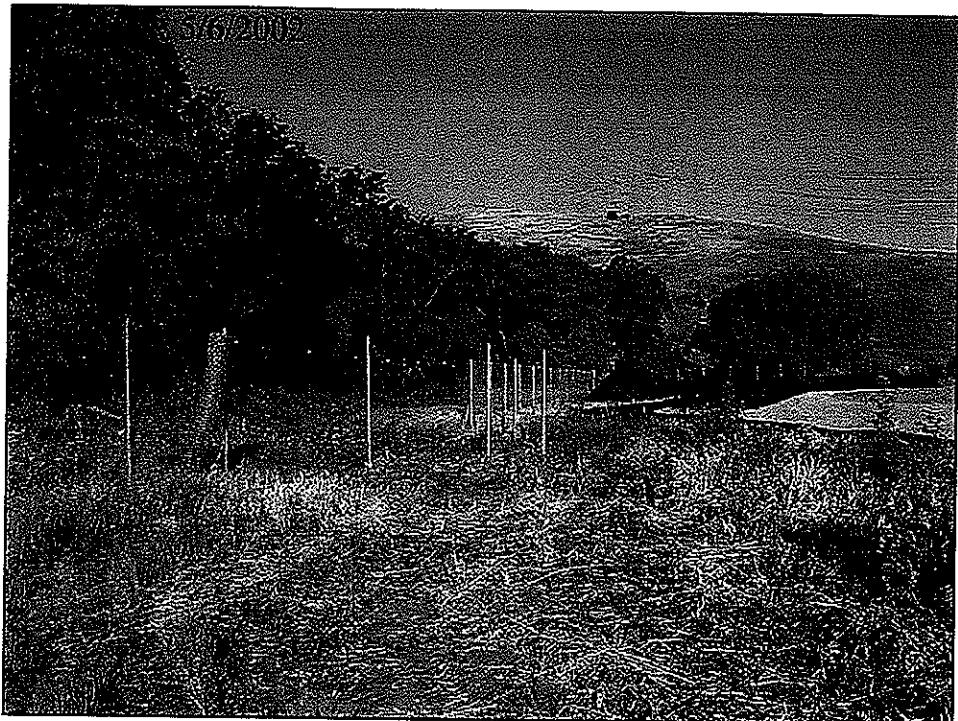
On May 16th, Calpine's Offsite Manager, Art Gonzales, notified the Biological Monitor of a dead raven (*Corvus corax*). The bird was found floating in a MEC Ecological Preserve cattle trough. No other signs of trauma were observed. See appendix C for Wildlife Observation Forms.

On May 23rd, the Biological Monitor monitored archaeological trench testing performed by Basin Resources along the proposed recycled water pipeline. The proposed alignment is from Blanchard Road, north to the MEC footprint, west of the main access road. The testing involved the excavation of 8 trenches (15 ft-length x 6 ft-depth x 2 ft-width) approximately 90-feet apart. One trench remained open overnight, and therefore, was equipped with an exit ramp to provide escape for entrapped wildlife. No wildlife were observed in the trench prior to back-filling the next day.

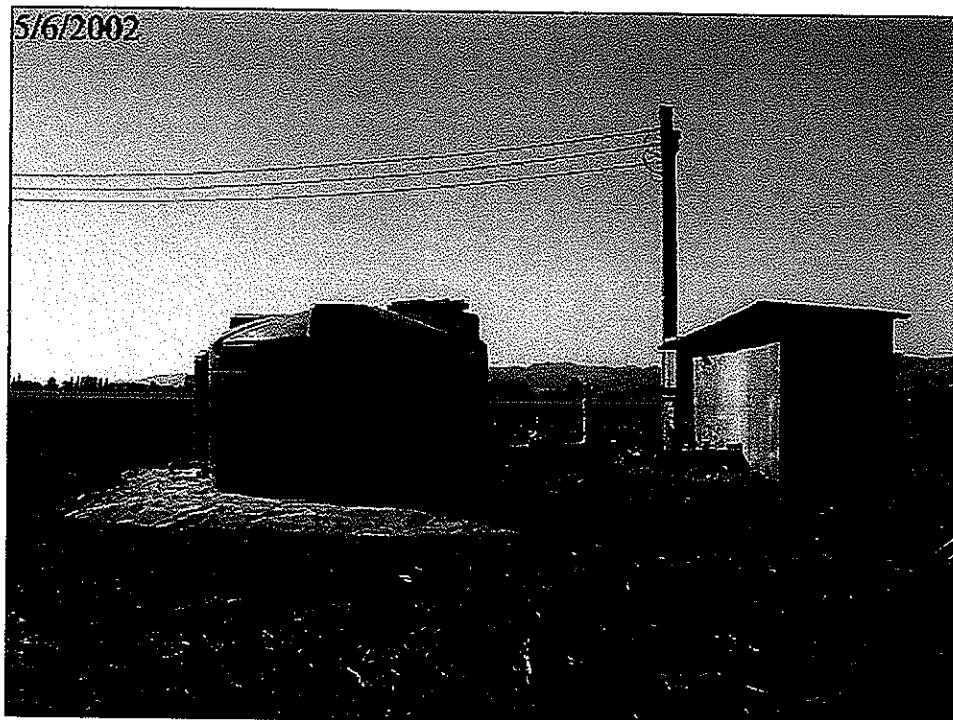
Next month, Calpine has scheduled drilling of the ecological preserve water well. The proposed location of the well will be in the second enhancement area. The water well will provide water to cattle troughs and enhancement planting areas.

APPENDIX A

Photographs



Security Fence Realignment



Temporary Water Line Structures



Triangular Foam Berm



Metcalf Energy Center Site

APPENDIX B

Cumulative Wildlife Species Observed In or Near the Project Area

**Cumulative Wildlife Species Observed In or Near the Metcalf Energy Center Project
and Linear Facilities Area (May 2001 to May 31, 2002)**

Common Name	Scientific Name	Location
INSECTS		
Bay checkerspot butterfly	<i>Euphydryas editha</i> spp. <i>Bayensis</i>	TH
Cabbage white butterfly	<i>Pieris rapae</i>	EC
Anise swallowtail butterfly	<i>Papilio zelicaon</i>	TH
Buckeye butterfly	<i>Precis coenia</i>	TH
Painted lady butterfly	<i>Vanessa cardui</i>	EC
Opler's longhorn moth	<i>Adela oplerella</i>	TH
Tarantula	<i>Euryopelma californicum</i>	TH
AMPHIBIANS AND REPTILES		
Pacific tree frog	<i>Hyla regilla</i>	TH, FC, EC
Arboreal salamander	<i>Aneides lugubris</i>	TH, EC
Western fence lizard	<i>Sceloporus occidentalis</i>	EC, TH, LA, FC
Side-blotched lizard	<i>Uta stansburiana</i>	EC
Southern alligator lizard	<i>Elgaria multicarinata</i>	EC, TH
Western skink	<i>Eumeces skiltonianus</i>	TH
Gopher snake	<i>Pituophis melanoleucus</i>	EC, LA, FC
BIRDS		
Pied-billed grebe	<i>Podilymbus podiceps</i>	FC, CC
American white pelican	<i>Pelecanus erythrorhynchos</i>	EC*
Double-crested cormorant	<i>Phalacrocorax auritus</i>	CC*
Canada goose	<i>Branta canadensis</i>	EC*, CC
Mallard	<i>Anas platyrhynchos</i>	FC, CC
Gadwall	<i>Anas strepera</i>	FC
Wood duck	<i>Aix sponsa</i>	FC, CC
Common merganser	<i>Mergus merganser</i>	FC
Hooded merganser	<i>Lophodytes cucullatus</i>	FC
American coot	<i>Fulica americana</i>	FC, CC
Great blue heron	<i>Ardea heroides</i>	FC
Green heron	<i>Butorides virescens</i>	FC, CC
Great egret	<i>Casmerodius albus</i>	FC
Killdeer	<i>Charadrius vociferus</i>	LA, LEA*, EC
White-tailed kite	<i>Elanus caeruleus</i>	FC
Northern harrier	<i>Circus cyaneus</i>	FC, TH
Location:		
CC = Coyote Creek Riparian Corridor		TH = Tidore Hill Ecological Preserve
EC = Metcalf Energy Center Plant Site		TL = Transmission Line Corridor
FC = Fisher Creek Riparian Corridor		WL = Water Line Corridor
GP = Gas Pipe Line Corridor		LEA = Laydown expansion area
LA = Laydown Area		
Notes:		
* Flyover or otherwise not utilizing area resources		
** Non-active sign (i.e. carcass, feather, nest track)		

**Cumulative Wildlife Species Observed In or Near the Metcalf Energy Center Project
and Linear Facilities Area (May 2001 to May 31, 2002) (Continued)**

Common Name	Scientific Name	Location
BIRDS (continued)		
Turkey vulture	<i>Cathartes aura</i>	EC*, TH, LA
Golden eagle	<i>Aquila chrysaetos</i>	TH
Osprey	<i>Pandion haliaetus</i>	CC*, TH, EC, FC
Sharp-shinned hawk	<i>Accipiter striatus</i>	FC, TH
Cooper's hawk	<i>Accipiter cooperii</i>	CC, EC*, FC
Red-shouldered hawk	<i>Buteo lineatus</i>	EC, FC, LA, CC, LEA
Red-tailed hawk	<i>Buteo jamaicensis</i>	EC, FC, GP, TH, TL, CC
American kestrel	<i>Falco sparverius</i>	EC, TH
Prairie falcon	<i>Falco mexicanus</i>	TH
California quail	<i>Callipepla californica</i>	CC, GP
Spotted sandpiper	<i>Actitis macularia</i>	FC
Mourning dove	<i>Zenaida macroura</i>	EC, FC, TH, TL, CC
Rock dove	<i>Columba livia</i>	EC*, TH*
Anna's hummingbird	<i>Calypte anna</i>	TH, CC
Hummingbird sp.		EC, TH, FC
Belted kingfisher	<i>Ceryle alcyon</i>	FC, EC*, CC
Northern flicker	<i>Colaptes auratus</i>	EC, FC, TH
Nuttall's woodpecker	<i>Picoides nuttallii</i>	FC, EC
Downy woodpecker	<i>Picoides pubescens</i>	EC, FC
Black phoebe	<i>Sayornis nigricans</i>	EC, FC, TL, LEA, CC
Say's phoebe	<i>Sayornis saya</i>	LEA
Western scrub-jay	<i>Aphelocoma californica</i>	EC, FC, LEA, CC
Common raven	<i>Corvus corax</i>	EC, TH, FC, CC
Horned lark	<i>Eremophila alpestris</i>	TH
Cliff swallow	<i>Petrochelidon pyrrhonota</i>	FC, EC, TL
Barn swallow	<i>Hirundo rustica</i>	EC, LEA
Oak titmouse	<i>Baeolophus inornatus</i>	FC, CC
Bushtit	<i>Psaltriparus minimus</i>	EC, FC, FC**,GP, TL, CC
White-breasted nuthatch	<i>Sitta carolinensis</i>	FC
Bewick's wren	<i>Thryomanes bewickii</i>	FC, TH, CC
Rock wren	<i>Salpinctes obsoletus</i>	FC, TH
Ruby-crowned kinglet	<i>Regulus calendula</i>	TH, FC, CC
Locations		
CC = Coyote Creek Riparian Corridor		TH = Tulare Hill Ecological Preserve
EC = Metcalf Energy Center Plant Site		TL = Transmission Line Corridor
FC = Fisher Creek Riparian Corridor		WL = Water Line Corridor
GP = Gas Pipe Line Corridor		LEA = Laydown expansion area
LA = Laydown Area		
Notes:		
* Flyover or otherwise not utilizing area resources		
** Non-active sign (i.e. carcass, feather, nest, track)		

**Cumulative Wildlife Species Observed In or Near the Metcalf Energy Center Project
and Linear Facilities Area (May 2001 to May 31, 2002) (Continued)**

Common Name	Scientific Name	Location		
BIRDS (CONTINUED)				
Northern mockingbird	<i>Mimus polyglottos</i>	EC, FC		
Western bluebird	<i>Sialia mexicana</i>	FC, CC, EC, LEA		
American robin	<i>Turdus migratorius</i>	LA, EC, CC		
Loggerhead shrike	<i>Lanius ludovicianus</i>	TH, FC, EC		
Western kingbird	<i>Tyrannus verticalis</i>	CC		
European starling	<i>Sturnus vulgaris</i>	LEA, FC, EC		
Rose-breasted grosbeak	<i>Pheucticus ludovicianus</i>	EC		
California towhee	<i>Pipilo crissalis</i>	EC, TH, FC, CC		
Dark-eyed junco	<i>Junco hyemalis</i>	FC, TH, CC		
White-crowned sparrow	<i>Zonotrichia leucophrys</i>	EC, FC, TH, CC		
Song sparrow	<i>Melospiza melodia</i>	EC, LA, LEA		
Yellow-rumped warbler	<i>Dendroica magnolia</i>	TH, FC, CC		
Western meadowlark	<i>Sturnella neglecta</i>	EC, LA, TH		
Red-winged blackbird	<i>Agelaius phoeniceus</i>	FC		
Brewer's blackbird	<i>Euphagus cyanocephalus</i>	FC, EC, CC		
Bullock's oriole	<i>Icterus bullockii</i>	FC, CC		
House finch	<i>Carpodacus mexicanus</i>	EC, CC, FC		
American goldfinch	<i>Carduelis tristis</i>	LEA		
Lesser goldfinch	<i>Carduelis psaltria</i>	EC, FC, CC, TH		
House sparrow	<i>Passer domesticus</i>	EC, FC, CC		
MAMMALS				
Common raccoon	<i>Procyon lotor</i>	FC**		
Striped skunk	<i>Mephitis mephitis</i>	TH**		
Opossum	<i>Didelphis marsupialis</i>	EC		
Coyote	<i>Canis latrans</i>	TH		
Feral cat	<i>Felis catus</i>	EC		
Bobcat	<i>Lynx rufus</i>	CC**		
California ground squirrel	<i>Spermophilus beechyi</i>	EC, FC, TH, TL		
Western gray squirrel	<i>Sciurus griseus.</i>	FC		
Valley pocket gopher	<i>Thomomys bottae</i>	LA**		
California vole	<i>Microtus californicus</i>	FC		
Deer mouse	<i>Peromyscus maniculatus.</i>	TH		
<u>Location:</u>				
CC = Coyote Creek Riparian Corridor	TH = Tulare Hill Ecological Preserve			
EC = Metcalf Energy Center Plant Site	TL = Transmission Line Corridor			
FC = Fisher Creek Riparian Corridor	WL = Water Line Corridor			
GP = Gas Pipe Line Corridor	LEA = Laydown expansion area			
LA = Laydown Area				
<u>Notes:</u>				
* Rely over or otherwise not utilizing area resources				
** Non-active sign (i.e. carcass, feather, nest, track)				

**Cumulative Wildlife Species Observed In or Near the Metcalf Energy Center Project
and Linear Facilities Area (May 2001 to May 31, 2002) (Continued)**

Common Name	Scientific Name	Location
MAMMALS (CONTINUED)		
Norway Rat	<i>Rattus norvegicus</i>	EC
Common muskrat	<i>Ondatra zibethicus</i>	FC
Black-tailed jackrabbit	<i>Lepus californicus</i>	EC
Feral pig	<i>Sus scrofa</i>	CC**
Mule (black-tailed) deer	<i>Odocoileus hemionus</i>	FC, GP, CC
Location:		
CC = Coyote Creek Riparian Corridor	TH = Tulare Hill Ecological Preserve	
EC = Metcalf Energy Center Plant Site	TL = Transmission Line Corridor	
FC = Fisher Creek Riparian Corridor	WL = Water Line Corridor	
GP = Gas Pipe Line Corridor	LEA = Laydown expansion area	
LA = Laydown Area		
Notes:		
* Flyover or otherwise not utilizing area resources.		
** Non-active sign (i.e. carcass, feather, nest, track)		

APPENDIX C

Wildlife Observation Forms

Figure B-1. Wildlife Observation Form

WILDLIFE OBSERVATION FORM

To Record Animals Found In Metcalf Energy Center Project Areas

To be filled out by personell who find active nest sites and burrows, dens, and dead or injured wildlife, or other biological resources during daily construction activities.

Name of employee:

Art Gonzales (Calpine)

Date:

5/16/02

Location of observation:

Metcalf Energy Center Ecological Preserve

Condition of wildlife:

alive

dead

Species: *Common raven*

Possible cause of injury or death:

Unknown. Possible drowning in cattle troughs located under a valley oak tree.

Where is the animal currently?

Metcalf Energy Center Ecological Preserve. Biological monitor moved carcass outside grazed portion of preserve adjacent to enhancement area #1.

Is the resource in danger of project (or other) impacts?

No

Comments:

Art Gonzales found bird dead floating in cattle trough. Mr. Gonzales found the carcass during a routine filling of the water troughs.

Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game and United States Fish and Wildlife Service to protect fish, wildlife and vegetation from construction impacts.

DESIGNATED BIOLOGIST: Debra Crowe (916) 920-0212 ext. 385

BIOLOGICAL FIELD MONITOR: Todd Ellwood (408) 839-2402

COMPANY: CH2MHILL ADDRESS: 2485 Natomas Park Drive, St. 600, Sacramento, CA 95833

USFWS CONTACT: Cecilia Brown (916) 414-6625

CDFG CONTACT: Mark Imsdahl (707) 944-5512

Figure B-1. Wildlife Observation Form

WILDLIFE OBSERVATION FORM	
To Record Animals Found In Metcalf Energy Center Project Areas	
To be filled out by personell who find active nest sites and burrows, dens, and dead or injured wildlife, or other biological resources during daily construction activities.	
Name of employee:	Todd Ellwood
Date:	5/1/02
Location of observation:	Agricultural field west of south Laytown yard.
Condition of wildlife:	alive <input checked="" type="checkbox"/> dead <input type="checkbox"/>
Species:	European Starling
Possible cause of injury or death:	N/A
Where is the animal currently?	European Starling nestlings remain in cavity west. Cavity is a transformer box attached to a pole.
Is the resource in danger of project (or other) impacts?	Yes. Continued construction of temporary water line may require services of transformer box by contractor or PG&E. Therefore, nest may need removed.
Comments:	Nest was discovered during construction of the connection to an existing water well. Construction activity hindered feeding of chicks by parents.
Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game and United States Fish and Wildlife Service to protect fish, wildlife and vegetation from construction impacts.	
DESIGNATED BIOLOGIST: Debra Crowe (916) 920-0212 ext. 385	
BIOLOGICAL FIELD MONITOR: Todd Ellwood (408) 839-2402	
COMPANY: CH2MHILL ADDRESS: 2485 Natomas Park Drive, St. 600, Sacramento, CA 95833	
USFWS CONTACT: Cecilia Brown (916) 414-6625	
CDFG CONTACT: Mark Imsdahl (707) 944-5512	

APPENDIX D

WEAT Sign-In Sheets

METCALF ENERGY CENTER
ENVIRONMENTAL TRAINING
SIGN-IN SHEET
(Biology, Archaeology, & Paleontology)

DATE: 5/2/02

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.

Instructor/s: WEAT VIDEO (Administered by Todd Ellwood)

METCALF ENERGY CENTER
ENVIRONMENTAL TRAINING
SIGN-IN SHEET
(Biology, Archaeology, & Paleontology)

DATE: 5/15/02

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.

Instructors: WEAT VIDEO (Administered by Todd Ellwood)

METCALF ENERGY CENTER
ENVIRONMENTAL TRAINING
SIGN-IN SHEET
(Biology, Archaeology, & Paleontology)

DATE: 5/20/02

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.

Instructor/s: WEAT VIDEOS (Administered by Todd Ellwood)

METCALF ENERGY CENTER
ENVIRONMENTAL TRAINING
SIGN-IN SHEET
(Biology, Archaeology, & Paleontology)

DATE: 5-22-02

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.

Instructors: WEAT VIDEO (Administered by Todd Ellwood)

METCALF ENERGY CENTER
ENVIRONMENTAL TRAINING
SIGN-IN SHEET
(Biology, Archaeology, & Paleontology)

DATE: 5/23/02

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.

Instructors: WEAT VIDEOS (Administered by Todd Ellwood)

METCALF ENERGY CENTER
ENVIRONMENTAL TRAINING
SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

DATE: 5/28/02

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.

Instructor(s): WEAT VIDEOS (Administered by Todd Ellwood)

METCALF ENERGY CENTER
ENVIRONMENTAL TRAINING
SIGN-IN SHEET
(Biology, Archaeology, & Paleontology)

DATE: 5/30/02

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.

Instructor/s: WEAT VIDEO (Administered by Ford Ellwood)

CONDITION OF CERTIFICATION CUL-7

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #8

Activity ID	Description	Early Start	Early Finish	MAY	JUN
00100	Material Receiving	13MAY02	31MAY02		
00110	Furniture Installation	13MAY02	21MAY02		
00280	Storm Outfall Approval	13MAY02	31MAY02		
00120	Pump Modification Test/ Stacy Witbeck P. L.	16MAY02	17MAY02	Pump Modification Test/ Complete	
00130		16MAY02	22MAY02		Stacy Witbeck P. L.
00210	Fence at Keystone Wall	16MAY02	17MAY02		Fence at Keystone Wall
20MAY02					
00140	UPRR Spur Cert./ Tamp.	20MAY02	23MAY02		UPRR Spur Cert./ Tamp.
00150	PG&E Horz. Direct. DRILL.	20MAY02*	20MAY02		PG&E Horz. Direct. DRILL.
00160	PG&E Power to Switchgear	20MAY02	23MAY02		PG&E Power to Switchgear
00180	Build Wood Decks	22MAY02	27MAY02		Build Wood Decks
00190	Install Utilities to Temp. Tr.	22MAY02	23MAY02		Install Utilities to Temp. Tr.
00220	Raise Elect. Boxes Offsite	22MAY02	24MAY02		Raise Elect. Boxes Offsite
00170	Power to Trailers	23MAY02	24MAY02		Power to Trailers
00240	Data/Phones	23MAY02	24MAY02		Data/Phones
27MAY02					
00200	Water Reqmt's F. D.	27MAY02	27MAY02		Water Reqmt's F. D.
00230	C.B.O. trailer Approval	28MAY02	28MAY02		C.B.O. trailer Approval
00250	Trailer Move- in	29MAY02	31MAY02		Trailer Move- in

CONDITION OF CERTIFICATION PAL-4

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #8

+
+

**Metcalf Energy Center Project
Paleontological Resource Monitoring and Mitigation Program**

Monthly Report

Project Name: Metcalf Energy Center (MEC)

Project Number: 01-17

Clients: Calpine/CH2M Hill

Month: May 2002

Designated Paleontological Resource Specialist: Dr. Lanny H. Fisk, PhD, RG

Monthly Report for May 2002:

During the month of May 2002, PaleoResource Consultants (PRC) worked with Calpine Corporation through its environmental consultants, CH2M Hill, to monitor and mitigate potential adverse impacts to paleontological resources (fossils) which might result from construction of the Metcalf Energy Center (MEC) and associated linear facilities (including a natural gas pipeline, cooling-water supply line, and electrical transmission line) all located in south San Jose, California. During the month, the Paleontological Resource Monitoring and Mitigation Program (PRMMP) for the MEC project consisted of monitoring only at the power plant site and adjacent lay-down area. Construction of the natural-gas pipeline, cooling-water pipeline, and electrical transmission line is not scheduled to start until later.

In May, PRC provided a part-time paleontological monitor (Mr. Jaspal Saini, MSc) to implement the PRMMP required by the California Energy Commission (CEC) as part of the Conditions of Certification (COCs) for the project. In its COCs for MEC, the CEC mandated that Calpine adopt Society of Vertebrate Paleontology (SVP) standard guidelines for the mitigation of construction-related adverse impacts on paleontological resources. SVP guidelines require that a project with a high potential for disturbing significant fossils must include full-time monitoring by a qualified paleontologist whenever a sensitive stratigraphic unit is being disturbed by earth moving. The primary responsibility of the paleontological monitor is to salvage any fossils encountered and record geologic and geographic information on the fossil locality. In compliance with CEC COCs and SVP standard guidelines, a PRC qualified paleontologist was present at MEC full time to monitor all earth-moving activities judged likely to disturb paleontological resources.

The only ground-disturbing activities requiring monitoring this month on the MEC project were shallow trenches for electrical conduits, eight (8) archeological test trenches (two feet wide by 30 feet long by six feet deep), and 30+ holes (six inches in diameter by 30 inches deep) for support posts for a wooden deck around the office trailers. These excavations exposed an undisturbed stratigraphic section consisting of either engineered artificial fill or dark brown organic-rich soil 10 to 12 inches thick; overlying unconsolidated gray to dark brown silty clay 12 to 24 inches thick; grading downwards to light to medium brown clayey silt, sand, and pebble-to-cobble gravel. The latter unit is 36 to 60 inches thick and composed of rounded to sub-rounded clasts of predominantly igneous and meta-sedimentary rocks in a sand matrix. The entire stratigraphic sequence appears to have been deposited in a fluvial environment as a series of nested, channel-fill deposits. Individual fining-upward sequences represent individual channel fills.

No paleontological resources were observed during the two full days and three partial days of paleontological monitoring at the MEC plant site in May and no sediment samples were collected for either microfossil analyses or radiometric dating.

PRC has been notified that all ground-disturbing activities for the MEC project are on hold until probably September 2002. PRC monitors are available and "on-call" for whenever earth moving for the MEC project resumes.

CONDITION OF CERTIFICATION SOCIO-1

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #8

SOCIO-1: List of planned procurement of materials or hiring outside the local regional area during the next two months.

Material/equipment	Manufacturer	Point of Origin	Reason
Circulating Water Pumps	Evaluating bids	N/A	N/A
Condensate Pumps	Evaluating bids	N/A	N/A
Step-up transformers	Receiving bids – not yet awarded	N/A	N/A
Unit auxiliary transformers	Receiving bids – not yet awarded	N/A	N/A
Generator Circuit Breakers	Receiving bids – not yet awarded	N/A	N/A
Condenser and Air Removal Equipment	Alstom	New Jersey	Not available locally
Water Treatment Equipment	Receiving bids – Will be awarded in May	N/A	N/A

CONDITION OF CERTIFICATION GEN-3

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #8

THIS DOCUMENT IS PRINTED IN TWO COLORS. DO NOT ACCEPT UNLESS BLUE AND BROWN ARE PRESENT.



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PAY Thirty eight thousand two hundred sixteen and 00/100 Dollars

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THE : PO BOX 25385
ORDER : SANTA ANA, CA 92799-5385
OF : United States

Authorized Signature

John B. Curtis

COMPLIANCE MATRIX

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #8

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPW/CBO	Status/Comments
START OF MOBILIZATION/ROUGH GRADING	1/14/02					
START OF CONSTRUCTION	9/1/02					
AQ-1	Minimize emissions of carbon monoxide (CO) and nitrogen oxides (NOx) from S-1 and S-3 GTs; and S-2 and S-4 HRSGs. Tune combustors of S-1 & S-3 GTs and S-2 and S-4 HRSGs duct burners to minimize emissions of CO and NOx.	In Monthly Compliance Report indicate how this condition is being implemented.	Monthly Compliance Report			
AQ-2	Install, adjust, and operate A-1 and A-2 SCR Systems to minimize emissions of CO and NOx from S-1 and S-3 GTs and S-2 and S-4 (HRSGs)	In Monthly Compliance Report indicate how this condition is being implemented.	Monthly Compliance Report			
AQ-3			Monthly Compliance Report			
AQ-4	With steady-state operation of A-1& A-2 SCR systems shall comply with NOx and CO emission limitations.	In Monthly Compliance Report indicate how this condition is being implemented.	Monthly Compliance Report			
AQ-5	Submit plan to DPSD and CPM describing procedures to be followed during commissioning of GTs, HRSGs, and STGs.	At least 28 days prior to first firing of the gas turbines, submit a complete commissioning plan	28 days prior to first fire of Gas Turbines			
AQ-6	Demonstrate compliance with conditions 8-10 through the use of properly operated and maintained CEMS and data recorders.	In Monthly Compliance Report indicate how this condition is being implemented.	Monthly Compliance Report			
AQ-7	Install, calibrate, operate District approved CEMS monitors prior to first firing of GTs, and HRSGs.	In Monthly Compliance Report indicate how this condition is being implemented.	Monthly Compliance Report			
AQ-8	Total no. of firing hours for S-1 GT and S-2 HRSG without abatement of A-1 SCR shall not exceed 300 hours during commissioning.	In the MCR indicate the cumulative number of firing without SCR. Submit a copy of the completion notice to CPM.	Monthly Compliance Report			
AQ-9	Total no. of firing hours for S-3 GT and S-4 HRSG without abatement of A-3 SCR shall not exceed 300 hrs during commissioning period.	In the MCR indicate the cumulative number of firing without SCR. Submit a copy of the completion notice to the CPM.	Monthly Compliance Report			
AQ-10	Total mass emissions of NOx, CO, POC, PM10, and SC2 emitted by the GTs and HRSGs during the commissioning period shall accrue towards the consecutive 12-month emission limit.	In the MCR indicate the cumulative number of firing without SCR. Submit a copy of the completion notice to the CPM.	Monthly Compliance Report			
AQ-11	Combined daily emissions from GTs and HRSGs shall not exceed the following during the commissioning period: NOx = 4805; CO = 11,494; POC = 495; PM10 = 468; SC2= 42.	In the monthly compliance report indicate any violations of the emission limits	Monthly Compliance Report			
AQ-12	Submit to District and CPM a detail source test plan and conduct District and CEC approved source test using external CEMs to determine compliance with Condition 21.	20 working days before the execution of the source tests submit to the District and CPM a detailed source test plan designed to satisfy the requirements of this condition.	20 days prior to source test per AQ-12			
AQ-12	Submit to District and CEC a detail source test plan and conduct District and CEC approved source test using external CEMs to determine compliance with Condition 21.	Source test results shall be submitted to the District and the CEC CPM within 30 days of the source testing date.	Within 30 days of source test per AQ-12 complete			
AQ-13	Notify the District and the CEC CPM.	Within seven (7) working days prior to the planned testing date				
AQ-13	As part of the semiannual Air Quality Reports, indicate the date, time, and duration of any violation of this condition.	Semiannual Air Quality Reports				

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
START OF MOBILIZATION/ROUGH GRADING		1/14/02				
START OF CONSTRUCTION		9/1/02				
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPW/CBO	Date approved by CPW/CBO
AQ-14	Combined heat input rate of each power train (S-1 & S-2, S-3 & S-4) shall not exceed 2,124 MMBtu/hr (3-hour rolling average) (PSD for NOx)	As part of the Air Quality monthly Reports, include information on the date and time when the hourly fuel consumption exceed this hourly limit.	Monthly Air Quality Reports			Status/Comments
AQ-15	Combined heat input rate of each power train (S-1 & S-2 and S-3 & S-4) shall not exceed 49,908 MMBtu/day (PSD for PM10)	As part of the Air Quality monthly Reports, include information on the date and time when the hourly fuel consumption exceed this daily limit.	Monthly Air Quality Reports			
AQ-16	Combined cumulative heat input rate of GTs (S-1, S-3) and HRSGs(S-2, S-4) shall not exceed 35,274,060 MMBtu/hr. (Offsites)	As part of the Air Quality annual Reports, include information on the date and time when the annual cumulative fuel consumption exceed this annual limit.	Annual Air Quality Reports			
AQ-17	HRSGs (S-2, S-4) duct burners shall not be fired unless associated GTs (S-1, S-3) are in operation. (BACT for NOx)	As part of the Air Quality Reports, include information on the date, time, and duration of any violation of this permit condition.	Monthly Air Quality Reports			
AQ-18	GT/HRSG (S-1/S-2) shall be abated by the A-1 SCR system whenever fuel is combusted in these units and the A-1 catalyst bed has reached min. operating temperature.	As part of the semiannual Air Quality Reports, provide information on any major problem in the operation of the Oxidizing Catalyst and Selective Catalytic Reduction Systems for the Gas Turbines and HRSGs.	Semiannual Air Quality Reports			
AQ-19	GT/HRSG (S-3/S-4) shall be abated by the A-2 SCR system whenever fuel is combusted in these units and the A-2 catalyst bed has reached min. operating temperature.	As part of the semiannual Air Quality Reports, provide info. on any major problem in the operation of the Oxidizing Catalyst and Selective Catalytic Reduction Systems for the Gas Turbines and HRSGs.	Semiannual Air Quality Reports			
AQ-20(a)	Emission requirements: Emission Point P-1 NOx = 19.2 lbs/hr [0.00904 lbs/MMBTU (HHV) of nat. gas fired]; Emission Point P-2 NOx = 19.2 lbs/hr [0.00904 lbs/MMBTU (HHV) of nat. gas fired]. NOx Emission concentration = 2.5 ppmvd (corrected to 15% O2, 1-hr average [Emission Point P-1, P-2]) (BACT for NOx).	As part of the semiannual Air Quality Reports, indicate the date, time, and duration of any violation. Include quantitative info. on the severity of the violation.	Semiannual Air Quality Reports			
AQ-20(b)	CO mass emission = 28.07 lbs/hr (at any 3-hour rolling avg.) (Emission Point P-1, P-2).	Same as above	Semiannual Air Quality Reports			
AQ-20(c)	When the heat input to a CT exceeds 1700 MBTU/hr (HHV), the CO emission concentration shall not exceed 6.0 ppmvd on dry basis and the CO mass emission rate shall not exceed 0.0132 lbs/MMBTU at any 3-hr rolling average.	Same as above	Semiannual Air Quality Reports			
AQ-20(d)	Ammonia (NH3) emission concentration shall not exceed 5 ppmvd on dry basis, at any 3-hour rolling avg. Ammonia injection rate to A-1, A-2 to be verified through continuous recording of rate.	Same as above	Semiannual Air Quality Reports			
AQ-20(e)	Precursor organic compounds (POC) mass emissions (as CH4) shall not exceed 2.7 lbs/hr or 0.00126 lbs/MMBTU of natural gas fired. (Emission points P-1, P-2).	Same as above	Semiannual Air Quality Reports			
AQ-20(f)						

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START OF MOBILIZATION/ROUGH GRADING		1/14/02				
START OF CONSTRUCTION		9/1/02				
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPW/CBO	Date approved by CPW/CBO
AQ-20(g)	Sulfur dioxide (SC-2) mass emissions at P-1, P-2 each shall not exceed 1.28 pounds per hour or 0.0006 lb/MM BTU of natural gas fired. (BACT)	Same as above	Semiannual Air Quality Reports			Status/Comments
AQ-20(h)	PM10 mass emissions at P-1, P-2 each shall not exceed 9 pounds per hour or 0.00452 lb PM10/MM BTU. Particulate matter (PM10) mass emissions at P-1, P-2 each shall not exceed 12 pounds per hour or 0.00565 lb PM10/MM BTU, when HRSG duct burners are in operation.	Same as above	Semiannual Air Quality Reports			
AQ-21	GT (S-1, S-3) Start-up and Shutdown emission rates. Same as above	In the monthly compliance report indicate how this condition is being implemented.	Semiannual Air Quality Reports			
AQ-22	Not more than one GT (S-1, S-2) shall be in start-up mode at any one time. HRSGs and ducting shall be designed such that an oxidation catalyst shall be readily installed if deemed necessary by APCO to insure compliance with CO emissions rates.	In the semiannual compliance report indicate how this condition is being implemented	Monthly Compliance Report			
AQ-23	Total combined emissions in tons/day, from GTs and HRSGs (S-1, S-2, S-3, S-4), including start-up and shutdown.	As part of the semiannual Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation.	Semiannual Air Quality Reports			
AQ-24	Cumulative combined emissions in tons/day for a consecutive 12-month period, from GTs and HRSGs shall not exceed NOx = (23.4 (offseis), CO=588, PCO=28 (offseis), PM10=91.3 (offseis), SO2=10.6 (cumulative increase)).	As part of the semiannual Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation.	Semiannual Air Quality Reports			
AQ-25	Maximum projected combined annual toxic air contaminant emissions from GTs and HRSGs (S-1, S-2, S-3, S-4). (a) Formaldehyde = 3.796 lbs/yr, (b) Benzene = 480 lbs/yr, (c) PAHs=22.8 lbs/yr	As part of the annual Air Quality Reports, indicate the date, duration, and severity of any violation including quantitative information on the severity of the violation.	Annual Air Quality Reports			
AQ-26	Perform health risk assessment using emission rates per BAAQMD approved procedures and submit risk analysis to District and CPW.	As part of the annual Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation or submit risk analysis to District and CPW.	Within 60 days of source test date			
AQ-27 (a-d)	Demonstrate compliance with conditions 14-17, 20(a-d), 21, 22, 24(e), 24(b), 25(a), 25(b) by using continuous monitors during all operating hours for the following parameters.	As part of the annual Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation.	Annual Air Quality Reports			
AQ-27(e-i)	Use parameters in condition 27(a-d) and District approved methods to calculate the following. (e) Heat input rate for S-1 & S-2 combined, and S-3 & S-4 combined (f) Corrected NOx and CO concentrations and mass emissions at each exhaust point (P-1, P-2)	As part of the annual Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation.	Annual Air Quality Reports			

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Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO
START OF MOBILIZATION/ROUGH GRADING	1/14/02					
START OF CONSTRUCTION	9/1/02					
AQ-27(g-i)	For each source, source grouping, or exhaust point record parameters at least once every 15 minutes and calculate and record for the following. Refer to AQ-27 for further details.	As part of the annual Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation.	Annual Air Quality Reports			Status/Comments
AQ-28(a-b)	Demonstrate compliance with conditions 2b, 21, 24, 25 by calculating and recording on a daily basis POC, PM10, and SO2 mass emissions fine PM10 and SO2 from each power train.	As part of the monthly Air Quality Reports, the owner/operator shall indicate the date of any violation including quantitative information on the severity of the violation.	Monthly Air Quality Reports			
AQ-29	Demonstrate compliance with conditions 2b, 21, 24, 25 by calculating and recording on a daily basis projected annual emissions of formaldehyde, benzene, Specified Poly-Aromatic Hydrocarbons (PAH's).	As part of the annual Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation.	Annual Air Quality Reports			
AQ-30	Within 60 days of startup, conduct a District-approved source test on exhaust points P-1 or P-2 to determine the corrected ammonia concentration to determine compliance with condition 20(e).	Source test protocols shall be submitted at least 90 days before startup. Approval of the source test protocols and the source test reports shall be deemed as verification for this condition.	90 days before startup			
AQ-30	Conduct a District-approved source test on exhaust points P-1 or P-2 to determine the corrected ammonia concentration to determine compliance with condition 20(e).	Conduct test within 60 days of startup	Within 60 days of startup			
AQ-30	Conduct a District-approved source test on exhaust points P-1 or P-2 to determine the corrected ammonia concentration to determine compliance with condition 20(e).	Submit source test results to the District and to the CEC CPM.	Within 30 days of the tests			
AQ-30	Conduct a District-approved source test on exhaust points P-1 or P-2 to determine the corrected ammonia concentration to determine compliance with condition 20(e).	Notify the District and the CEC CPM.	Within seven working days before the execution of the source tests.			
AQ-31	Conduct a District-approved source test on exhaust points P-1 and P-2 while each GT and HRSG are operating at max load.	Submit source test protocols. Approval of the source test protocols and the source test reports shall be deemed as verification for this condition.	90 days before startup			
AQ-31	Conduct a District-approved source test on exhaust points P-1 and P-2 while each GT and HRSG are operating at max load.	Conduct test within 60 days of startup and on annual basis thereafter.	Within 60 days startup			
AQ-31	Conduct a District-approved source test on exhaust points P-1 and P-2 while each GT and HRSG are operating at max load.	Notify the District and the CEC CPM.	Within seven (7) working days before the execution of the source tests			
AQ-31	Conduct a District-approved source test on exhaust points P-1 and P-2 while each GT and HRSG are operating at max load.	Conduct a District-approved source test on exhaust points P-1 and P-2 while each GT and HRSG are operating at max load.	Within 30 days of the date of the tests			
AQ-32	Obtain approval for all source test procedures from District Source Test Section and CPM prior to conducting tests.	Provide a copy of source test protocol.	90 days before startup			
AQ-32	Obtain approval for all source test procedures from District Source Test Section and CPM prior to conducting tests.	Notify the District's Source Test Section and the CEC CPM in writing of the Source Test Protocols and projected test dates at least 7 days prior to the testing date(s).	7 days prior to testing date(s)			

METCALF ENERGY CENTER - COMPLIANCE MATRIX

START OF MOBILIZATION/ROUGH GRADING		1/14/02	START OF CONSTRUCTION		9/1/02					
Condition No.	Requirements & Task Summary	Action required		Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments		
AQ-33	Conduct a District-approved source test within 60 days of startup on each exhaust point (P-1, P-2). Also test the GTs at minimum load.	Notify the District and the CEC CPM at least 7 working days before the owner/operator plans to conduct source testing as required by this condition.	Conduct test.	Execution of the Source Tests within 60 days of startup						
AQ-33	Conduct a District-approved source test within 60 days of startup at each exhaust point (P-1, P-2). Also test the GTs at minimum load.	Source test results shall be submitted to the District and the CEC CPM.		Within 60 days of startup and on biennial basis thereafter						
AQ-33	Conduct a District-approved source test within 60 days of startup on each exhaust point (P-1, P-2). Also test the GTs at minimum load.	Submit a copy of test protocols at least 90 days before startup.		Within thirty (30) days of conducting the test						
AQ-34	Submit all reports as required by District Rules or Regulations and in accordance with all procedures and line limits.	During site inspection, make all records and reports available to the District, California Air Resources Board, and CEC staffs.	AQ Inspection per AQ-35							
AQ-35	Maintain records and reports on site for a minimum of 5 years.	Submission of these notifications as required by this condition is the verification of these permit conditions.	Violation of Permit Conditions							
AQ-36	Notify District and CPM of any violations of these permit conditions.	Submit the drawings for review and approval.	45 days prior to the release to the manufacturer							
AQ-37	Stack height of emission points (P-1, P-2) shall be at least 145 feet above grade at the stack base. (G/T/HSG stack height).	120 days before initial operation, submit to the BAAQMD and the CEC CPM a plan for the installation of stack sampling ports and platforms.	120 days before Initial Operation							
AQ-38	Provide adequate stack sampling ports and platforms to enable the performance of source testing.	Within 60 days of receipt of the plant, the BAAQMD will advise the Owner/Operator and the CPM of the acceptability of the plan. Contact the BAAQMD Technical Services division. Notify the CEC CPM at least seven (7) working days before these contacts are made.	Approval by BAAQMD and CPM after submittal							
AQ-39	Contact the BAAQMD Technical Services division regarding requirements for the continuous monitors, sampling ports, platforms, and source tests.	Notify the CEC CPM at least seven (7) working days before contacts are made.	Within 180 days of issuance of Authority to Construct							
AQ-39	Contact the BAAQMD Technical Services division regarding requirements for the continuous monitors, sampling ports, platforms, and source tests.	7 days before contacts are made.	8/12/02							
AQ-40	Demonstrate valid ERCS in the amount of 212.75 tons/year of NOx and 28 tons/year of POC or equivalent as defined by District Regs 2-2-302.1 and 2-2-302.2	No more than 30 days after the issuance of an Authority to Construct, provide a copy of the ATC to the CEC CPM for review.	7 days before contacts are made							
AQ-41	Provide to District valid ERCS banking certificates in the amount of 212.75 ton/yr of NOx and 28 tons/yr of POCs or equivalent.	At least 30 days prior to the start of construction, submit a copy of the required offset or ERCS certificates to the CPM.	Within 30 days after issuance of Authority to Construct							
AQ-42	Submit an application to the BAAQMD for a major facility review permit within 12 months of the issuance of the PSD permit for the MEC.	Submit an application to BAAQMD major facility review permit. Notify the CEC CPM of the submittal of this application.	At least 30 days prior to the start of construction, submit a copy of the required offset or ERCS certificates to the CPM.	3/15/02	3/22/02	N/A	Complete	In progress		
AQ-42	Submit an application to the BAAQMD for a major facility review permit within 12 months of the issuance of the PSD permit for the MEC.	Submit to the CPM a copy of the Federal V Operating Permit.	Within 12 months of issuance of PSD Permit	1/9/02	1/9/02	N/A	Complete			

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START OF MOBILIZATION/ROUGH GRADING		1/14/02				
START OF CONSTRUCTION		9/1/02				
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPW/CBO	Date approved by CPW/CBO
AQ-43	Submit an application to the District for a Title IV operating permit at least 24 months prior to the initial operation of any GTs or HRSGs. Comply with the continuous emission monitoring requirements of 40 CFR Part 75.	Submit to the CPM a copy of the application for the Title IV operating permit.	24 months before initial operation			Status/Comments
AQ-44	Take monthly samples of natural gas combusted at MEC and analyze these samples for sulfur content using District-approved lab methods.	Submit to the CPM a plan on how the measurements and recordings required by this condition will be performed. Maintain on site the records of all the guarantees received from its natural gas suppliers indicating that the fuel delivered to MEC complies with the 40 CFR Part 60, Subpart GG.	60 days before Initial Operation			
AQ-45	Cooling towers shall be properly maintained to minimize drift losses.	Submit a performance guarantee letter from the cooling tower manufacturer. As part of the monthly Air Quality Reports, indicate the date of any violation of this Condition.	30 days prior to installation of Cooling Tower per AQ-46			
AQ-46	Perform visual inspection of cooling tower drift eliminators once per calendar year and repair or replace any drift eliminators which are broken or missing.	Have cooling tower representative inspect the cooling tower drift eliminators and certify installation was performed in a satisfactory manner.	Monthly Air Quality Reports			
AQ-47a	Have cooling tower representative inspect the cooling tower drift eliminators and certify installation was performed in a satisfactory manner.	Have cooling tower representative inspect the cooling tower drift eliminators and certify installation.	Initial Operation			
AQ-47b	Perform an initial performance source test to determine the PM10 emission rate from the cooling tower to verify compliance with the vendor-guaranteed drift rate.	As part of the monthly Air Quality Reports, indicate the date of any violation of this Condition.	Within 60 days of initial operation of the cooling tower			
AQ-47c	Implement a CPM approved Fugitive Dust Control Plan during construction.	Submit the plan to the CEC CPM for review and approval	60 days prior to start of construction			
AQ-48	Implement a CPM approved Fugitive Dust Control Plan during construction.	Maintain daily records to document the specific actions taken pursuant to the plan. Summary of activities in MCR.	Monthly Compliance Report			
AQ-48	During construction owner shall:	The project owner shall maintain a daily log during the construction phase of the project. The logs shall be made available to the CEC CPM upon request.	Start of Construction			
AQ-49	1. Prevent or remove within 1-hour the track-out of bulk material onto public paved roads 2. Install and use a track-out control device 3. Minimize fugitive particulate emission. Daily inspections of conditions mandated.	Identify the source of the fugitive dust and implement one or more of the appropriate control measures specified in Table 3.	Start of Construction			
AQ-50	Provide the District with valid ERC certificates for PM10 for the amount of 29.21 tons per year and for VOC for the amount of 124.2 tons per year from the sources noted in Condition 51.	Maintain a daily log recording the dates and times that measures have been implemented and make them available to the CEC CPM upon request.	At least 30 days prior to the start of construction			
AQ-51	The project owner shall mitigate, to the extent practical, construction related emission impacts from off-road, diesel fired construction equip. Details of Plans shown in Condition AQ-52.	At least 30 days prior to the start of construction, the project owner must submit a copy of the required ERC certificates to the CPM and the District.	30 days prior to start of construction	8/2/02		In progress
AQ-52		Submit to the CPM for approval the qualifications of the CMM at least 45 days prior to due date for diesel construction equipment.	45 days prior to rough grading	11/30/01	8/27/01	Complete

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START OF CONSTRUCTION		9/1/02				
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPW/CBO	Date approved by CPM/CCO
AQ-52	The project owner shall mitigate, to the extent practical, construction related emission impacts from off-road, diesel fired construction equip. Details of Plans shown in Condition AQ-52.	Submit Construction Equipment Mitigation Plan 30 days prior to rough grading or construction of linear facilities.	30 days prior to rough grading	12/15/01	9/7/01	9/27/01
AQ-52	The project owner shall mitigate, to the extent practical, construction related emission impacts from off-road, diesel fired construction equip. Details of Plans shown in Condition AQ-52.	Submit Report of Change to the CRM no later than 10 working days after use of equipment on site.	10 days after use of equipment on site			Complete
AQ-53	The heat input to the fire pump diesel engine shall not exceed 211 MM BTU totaled over any consecutive twelve month period.	As part of the monthly Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation.	Monthly Air Quality Reports			
AQ-54	The total hours of operation of the emergency generator shall not exceed 200 hours per calendar year, plus an additional 100 hours per calendar year for the purposes of maintenance and testing.	As part of the monthly Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation.	Monthly Air Quality Reports			
AQ-55	Install an oxidation catalyst to control VOC emissions.	As part of its final design plans, specifications, and drawings, submit to the District and the CPM for review and approval the final selection and design details of combustion equipment, including emission systems.	Submittal of final design plans			
Public Health-1	Perform a visual inspection of the cooling tower drift eliminators once per calendar year. Prior to initial operation of the project, have the cooling tower vendor's field representative inspect the cooling tower drift eliminator and certify that the installation was performed in a satisfactory manner.	Prior to initial operation of the project, have the cooling tower vendor's field representative inspect the cooling tower drift eliminator and certify that the installation was performed in a satisfactory manner.	Prior to initial operation			
Public Health-1	Perform a visual inspection of the cooling tower drift eliminators once per calendar year. Prior to initial operation of the project, have the cooling tower vendor's field representative inspect the cooling tower drift eliminator and certify that the installation was performed in a satisfactory manner.	The project owner shall include the results of the annual inspection of the cooling tower drift eliminators and a description of any repairs performed in the next required compliance report.	Annual Compliance Report			
WORKER SAFETY 1	Project Construction Safety and Health Program, containing the following: A Construction Injury and Illness Prevention Program, A Construction Fire Protection and Prevention Plan, A Personal Protective Equipment Program.	Submit to the CRM a copy of the Project Construction Safety and Health Program and the Personal Protective Equipment Program, with a copy of the cover letter transmittal of the programs to Cal/OSHA.	30 days prior to start of construction	8/2/02	9/27/01(Bechel)	Resubmitted for Mortenson. OSHA Consultation completed 2/21/02.
WORKER SAFETY 1	Project Construction Safety and Health Program, containing the following: A Construction Injury and Illness Prevention Program, A Construction Fire Protection and Prevention Plan, A Personal Protective Equipment Program.	Submit to the CRM a letter from the San Jose Fire Department stating that they have reviewed and accepted the Construction Fire Protection and Prevention Plan.	30 days prior to start of construction	8/2/02	7/31/01	Complete for preconstruction. Response to Fire Depts. comments submitted

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Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPW/CBO	Date approved by CPW/CBO
START OF MOBILIZATION/ROUGH GRADING	1/14/02					
START OF CONSTRUCTION	9/1/02					
WORKER SAFETY 2	Project Operation Safety and Health Plan containing the following: Operation Injury and Illness Prevention Plan, Emergency Action Plan, Operation Fire Protection Plan, Personal Protective Equipment Program.	The Plan shall be submitted to the Cal/OSHA Consultation Service, for review and comment concerning compliance of the program with all applicable Safety Orders	Start of Operation			Status/Comments
WORKER SAFETY 2	Project Operation Safety and Health Plan containing the following: Operation Injury and Illness Prevention Plan, Emergency Action Plan, Operation Fire Protection Plan, Personal Protective Equipment Program.	Submit to the CPM a copy of the final version of the Project Operation Safety & Health Program with a copy of the cover letter to Cal/OSHA's Consultation Service, and San Jose Fire Department comments stating that they have reviewed and accepted the specified elements of the Plan.	30 days prior to start of operation			
WORKER SAFETY 3	Reach an agreement with the San Jose Fire Dept. on the amount of fees and timing of payment they will provide to cover project-specific impacts associated with worker safety and fire protection.	Provide the CPM with a copy of an agreement with the City of San Jose Fire Department or shall provide an interim plan to address impacts until a permanent agreement can be reached.	60 days prior to ground disturbance			
WORKER SAFETY 3	Reach an agreement with the San Jose Fire Dept. on the amount of fees and timing of payment they will provide to cover project-specific impacts associated with worker safety and fire protection.	If an agreement cannot be reached at least 60 days prior to construction, the project owner will inform the CPM and propose a plan to mitigate impacts on fire services.	60 days prior to ground disturbance			
TLSN-1	The project owner shall construct the proposed transmission line according to the requirements of Section 2700 through 2974 of the California Code of Regulations and PG&E's EMF-reduction measures.	Submit to the CPM a letter affirming that the transmission line will be constructed according to the requirements.	30 days prior to start of construction of Transmission Line			
TLSN-2	Identify and correct any complaints of interference w/ radio and TV signals from operation, oil and' facilities.	All reports of line-related complaints shall be summarized and included for 5 years in the Annual Compliance Report to the CPM	Annual Compliance Report			
TLSN-3	Engage a qualified consultant to measure the strengths of the line electric and magnetic fields in the project owner's 240-foot section before and after the 230 kV line is energized.	File copies of the pre-and post energization measurements with CPM. These measurements shall be completed within 6 months of the start of the operations.	60 days after compilation of measurements			
TLSN-4	Ensure that the transmission line right-of-way is kept free of combustible material.	Provide a summary of inspection results and any line prevention activities carried out along the ROW in the annual compliance report.	Annual Compliance Report			
TLSN-5	Ensure the grounding of any ungrounded permanent metallic objects within the right-of-way of the overhead section.	Transmit to the CPM a letter confirming compliance with this Condition	30 days prior to energization of transmission line			
HAZ-1	Do not use any hazardous material in reportable quantities, not listed in Attachment 1 or in greater quantities or strengths than those identified unless approved in advance by Santa Clara County and the CPM.	Provide to the CPM and Santa Clara County, in the Annual Compliance Report, a list of hazardous materials contained at the facility in reportable quantities.	Annual Compliance Report			
HAZ-2	Provide a Risk Management Plan to Santa Clara County and the CPM for review at the time the plans are first submitted to the U.S. EPA.	Provide a Risk Management Plan to Santa Clara County and the CPM for review at the time the plans are first submitted to the U.S. EPA.	60 days prior to delivery of Aqueous Ammonia			

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Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO
HAZ-2	Provide a Risk Management Plan to Santa Clara County and the CPM for review at the time the plans are first submitted to the EPA.	Include all recommendations of Santa Clara County and the CPM in the final document. At least 60 days prior to the delivery of aqueous ammonia to the facility, provide the final approved plans listed above to the CPM.	60 days prior to delivery of Aqueous Ammonia			
HAZ-3	Develop and implement a safety management plan for delivery of ammonia.	Provide a safety management plan as described above to the CPM for review and approval.	60 days prior to delivery of Aqueous Ammonia			
HAZ-4	The aqueous ammonia storage facility shall be designed to either the ASME Pressure Vessel Code and ANSI K81.6 or API 620.	Submit final design drawings and specifications for the ammonia storage tank and secondary containment basin to the County of Santa Clara and the City of San Jose for review and comment, and to the CPM for review and approval.	60 days prior to delivery of Aqueous Ammonia			
HAZ-5	Provide a covered secondary containment basin to passively contain any spill during the delivery of aqueous ammonia to the storage facility.	Provide detailed design drawings and specifications for the secondary containment basin to the County of Santa Clara and the City of San Jose for review and comment, and to the CPM for review and approval.	60 days prior to construction of ammonia secondary containment			
HAZ-6	The project owner shall require that the gas pipeline undergo a complete design review and detailed inspection every 30 years and each 5 years thereafter.	Provide a detailed plan to accomplish a full and comprehensive pipeline design review in the future to the CPM for review and approval.	30 days prior to initial gas flow in pipeline			
HAZ-7	Prepare and implement a pipeline maintenance plan.	Provide a detailed plan to accomplish a full and comprehensive pipeline inspection in the event of an earthquake to the CPM for review and approval.	30 days prior to initial gas flow in pipeline			
HAZ-8	The project owner shall direct all vendors delivering any hazardous material to the site to use only the route approved by the CPM.	At least sixty (60) days prior to receipt of any hazardous materials on site, the project owner shall submit copies of the required transportation route limitation to the County of Santa Clara and City of San Jose for review and approval.	60 days prior to delivery of hazardous materials			
HAZ-9	The natural gas pipeline shall be designed to meet CPUC General Order 112-D and 58 A standards, or any successor standards, and will be designed to meet Class III service.	Submit design and operation specifications to the CPM for review and approval.	Prior to initial gas flow in pipeline			
HAZ-10	Design and operate the facility to ensure that no fuels or lubricants are permanently or temporarily stored within 100 feet of the sulfuric acid tank.	Provide copies of the facility design drawings showing the location of the sulfuric acid storage tank and the route for transport.	60 days prior to delivery of Sulfuric Acid			
HAZ-11	The project owner shall direct all vendors delivering aqueous ammonia to the site to use only transport vehicles which meet or exceed the specifications of the DOT MC-307 tanker trucks.	Submit copies of the notification letter to supply vendors indicating the transport vehicle specifications to the CPM for review and approval.	60 days prior to receipt of aqueous ammonia on site			

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO
START OF MOBILIZATION/ROUGH GRAVING	1/14/02					
START OF CONSTRUCTION	9/1/02					
HAZ-12	Design, construct, and operate the project in conformance with all applicable laws, ordinances, regulations, and standards pertaining to the transport, storage, and handling of hazardous materials.	Submit final design drawings and specifications for all hazardous material storage areas and equipment to Santa Clara County and the City of San Jose for review and comment, and to the CPM for review and approval.	60 days prior to delivery of Hazardous Materials			
WASTE-1	Obtain a Hazardous Waste Generator Identification Number from its Department of Toxic Substances Control prior to generating any hazardous waste.	Keep its copy of the identification number on file at the project site and notify the CPM via the monthly compliance report of its receipt.	Notify via Monthly Compliance Report	12/14/02	12/14/02	N/A
WASTE-1	The project owner shall obtain a Hazardous Waste Generator Identification Number from the Department of Toxic Substances Control prior to generating any hazardous waste. (Operation).	Keep copies of the ID number and permit on file and notify the CPM via the monthly compliance report of their receipt - (operation)	Notify via Monthly Compliance Report			
WASTE-2	Upon becoming aware of any impending waste management-related enforcement action, notify the CPM of any such enforcement action.	Notify the CPM in writing within 10 days of becoming aware of an impending enforcement action.	Within 10 days of becoming aware of an impending enforcement action.			
WASTE-3	Prepare and submit to the CPM a waste management plan for all wastes generated during construction and operation of the facility.	Submit the construction waste management plan to the CPM for review.	60 days prior to start of construction	7/3/02	6/12/01	7/27/01
WASTE-3	Prepare and submit to the CPM a waste management plan for all wastes generated during construction and operation of the facility.	Submit any required revisions within 30 days of notification by the CPM (or mutually agreed upon date).	Revise within 30 days of notification by CPM			
WASTE-3	Prepare and submit to the CPM a waste management plan for all wastes generated during construction and operation of the facility.	The operation waste management plan shall be submitted no less than 60 days prior to the start of project operation.	60 days prior to start of operation			
WASTE-3	Prepare and submit to the CPM a waste management plan for all wastes generated during construction and operation of the facility.	The project owner shall submit any required revisions within 30 days of notification by the CPM (or mutually agreed upon date).	Revise within 30 days of notification by CPM			
WASTE-3	Prepare and submit to the CPM a waste management plan for all wastes generated during construction and operation of the facility.	In the Annual Compliance Reports, document the actual waste management methods used during the year compared to planned management methods.	Annual Compliance Report			
WASTE-4	Have a registered PE available for consultation during soil excavation and grading activities.	Submit the qualifications and experience of the Registered Professional Engineer or Geologist to the CPM for approval.	30 days prior to ground disturbing activity	12/15/01	8/1/01	8/16/01
WASTE-5	If potentially contaminated soil is unearthed during excavation the environmental professional shall inspect the site.	Notify the CPM in writing within 5 days of any reports filed by the environmental professional.	Within 5 days of filing reports			
WASTE-5	If potentially contaminated soil is unearthed during excavation the environmental professional shall inspect the site.	If significant remediation may be required, contact representatives of the Santa Clara County and Dept of Toxic Substances Control. Notify the CPM in writing within 5 days of any reports filed.	Within 5 days of filing reports			
WASTE-6	Obtain a Hazardous Material Clearance Form from the Santa Clara County Hazardous Materials Compliance Division.	Provide an approved copy of the Hazardous Material Clearance Form to the CPM.	Prior to the start of construction	3/3/02	3/20/02	Complete
WASTE-7	The project owner shall perform additional limited investigations to fully characterize the site.	Prior to the start of construction, submit analytical results of the additional sampling to the CPM as a ESSA Addendum.	Prior to the start of construction	2/21/02	2/21/02	N/A

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
START OF MOBILIZATION/ROUGH GRADING		1/14/02				
START OF CONSTRUCTION		9/1/02				
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO
WASTE-8	All site debris shall be removed from the site after owner has control of the site.	Notify the CPM in writing within ten days of removal of site debris.	Within 10 days after removal of site debris	9/10/01	9/10/01	10/2/01
LAND-1	At such time as a connection to a trail network can be made, install and maintain the portion of the planned trail that would cross the site.	In the Monthly Compliance Reports provide updates on trail developments in the area around the site.	Monthly Compliance Report			Complete
LAND-1	At such time as a connection to a trail network can be made, install and maintain the portion of the planned trail that would cross the site.	Submit to the City of San Jose Departments of Planning and Public Works for review of the trail design and maintenance plan.	Start of Construction of Trail			
LAND-1	At such time as a connection to a trail network can be made, install and maintain the portion of the planned trail that would cross the site.	Prior to the start of a trail that the MEC trail could be connected to submit designs and the maintenance plan to the CPM.	180 days prior to start of construction of trail			
LAND-1	At such time as a connection to a trail network can be made, install and maintain the portion of the planned trail that would cross the site.	Notify the CPM that the trail segment has been completed and is ready for inspection.	Within 7 days after completion of trail segment			
LAND-1	At such time as a connection to a trail network can be made, install and maintain the portion of the planned trail that would cross the site.	In the Annual Compliance Reports provide updates on trail developments in the area around the site.	Annual Compliance Report			
LAND-2	Landscape the parking area consistent with the "Orchard Planting Guidelines for the North Coyote Valley Campus Industrial Area Master Development Plan.	Submit to the City of San Jose for review and comment and to the CPM for approval a revised landscape plan.	30 days prior to start of construction			In progress
LAND-2	The project owner shall landscape the parking area consistent with the "Orchard Planting" Guidelines of the North Coyote Valley Campus Industrial Area Master Development Plan.	Notify the CPM that the work has been completed and is ready for inspection.	7 days after completion of landscaping			
LAND-3	The project owner shall design and construct the project to satisfy the setback requirements	Submit the final design plans to the CPM for approval. Notify the CPM that the boundaries are ready for inspection.	60 days prior to start of construction	7/30/02	11/14/2001 3/12/2002	Complete (Total of 3 submissions)
LAND-3	The project owner shall design and construct the project to satisfy the setback requirements	Submit the final design plans to the San Jose review and comment.	60 days prior to start of construction	7/30/02	9/20/2001 3/12/2002	N/A (City of San Jose)
LAND-3	The project owner shall design and construct the project to satisfy the setback requirements	Notify the CPM that the facilities and structures are completed and are ready for inspection.	7 days after completion of specified facilities and structures			
LAND-4	Ensure that any project directional signs, identity signs, and gatehouses comply with the "Entry Identification" guidelines.	Submit to the CPM for approval a site plan that demonstrates that the project complies with the "Entry Identification" guidelines.	90 days prior to commercial operation			
LAND-4	Ensure that any project directional signs, identity signs, and gatehouses comply with the "Entry Identification" guidelines.	Submit to the City of San Jose for review and comment a site plan.	90 days prior to commercial operation			
LAND-4	Ensure that any project directional signs, identity signs, and gatehouses comply with the "Entry Identification" guidelines.	Notify the CPM that these requirements have been satisfied and are ready for inspection.	Commercial Operation			
LAND-4	Acquire from the property owners (Passantino) immediately south of the MEC site a restrictive covenant agreement.	Submit to the CPM a recorded copy of the Agreement.	90 days prior to start of construction			
LAND-5	Acquire from the property owners (Passantino) immediately south of the MEC site a restrictive covenant agreement.	Submit a landscape plan to the CPM for review and approval and the City of San Jose for review and comment.	Within sixty (60) days of sale of the Passantino property	6/3/02	6/12/01	Complete

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
START OF MOBILIZATION/ROUGH GRADING		1/14/02		9/1/02		
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPW/CBO	Date approved by CPW/CBO
LAND-5	Acquire from the property owners (Passanino) immediately south of the MEC site a restrictive covenant agreement.	Notify the CPM that the landscaping has been completed and is ready for inspection.	7 days after completion of landscaping			
LAND-6	Ensure the protection of soil while using agricultural land as a construction laydown and parking area.	Notify the CPM that the protective measures stated above will be applied prior to the delivery of any construction materials.	30 days prior to delivery of construction materials	9/19/01	9/19/01	Complete
LAND-6	Ensure the protection of soil while using agricultural land as a construction laydown and parking area.	Submit photographic evidence of the application.	7 days after completion of protective measures		3/14/02 5/10/02	In progress
LAND-6	Ensure the protection of soil while using agricultural land as a construction laydown and parking area.	Notify the CPM that the agricultural field used as the laydown area has been tilled and shall submit photographs of the tilled field.	50 days prior to commercial operation			
LAND-7	Ensure that any additional construction laydown areas needed along all pipeline routes are located within existing paved or gravel areas.	Submit a detailed map showing the location of any planned laydown areas along the pipeline routes and photographs of the areas.	60 days prior to construction of pipelines			
LAND-8	Obtain all necessary licenses and easement rights from Santa Clara County to route the natural gas supply pipeline through the Coyote Creek Parkway.	Submit the plan to the Santa Clara County Parks and Recreation Department for review and obtain licenses and easements.	Prior to submittal to CPW			
LAND-8	Obtain all necessary licenses and easement rights from Santa Clara County to route the natural gas supply pipeline through the Coyote Creek Parkway.	Submit to the CPM a copy of all licenses and easements secured from Santa Clara County and submit to the CPM a plan that describes how construction activities will be timed to avoid permitted park events.	30 days prior to construction of gas pipeline			
LAND-8	Obtain all necessary licenses and easement rights from Santa Clara County to route the natural gas supply pipeline through the Coyote Creek Parkway.	Submit to the CPM an update of planned construction dates for the following week and a schedule of planned park events.	Weekly gas pipeline report			
LAND-9	Route the water supply and wastewater discharge pipelines through open agricultural areas to avoid the direct loss of orchard trees.	Submit to the CPM for review and approval a site plan that shows the precise alignment of the pipelines in relation to existing orchard trees.	60 days prior to construction of water supply and waste water pipelines			
LAND-9	Route the water supply and wastewater discharge pipelines through open agricultural areas to avoid the direct loss of orchard trees.	Notify the CPM that stakes have been installed and the route is ready for inspection.	60 days prior to ground disturbing activities related to pipeline construction			
LAND-10	During pipeline construction, stockpile excavated topsoil separate from subsoil in agricultural areas.	Submit a description of the procedure to minimize alteration of original soil stratigraphy.	7 days prior to ground disturbing activities related to pipeline construction			
LAND-10	During pipeline construction, stockpile excavated topsoil separate from subsoil in agricultural areas.	Notify the CPM of the schedule for trenching.	7 days prior to trenching for pipeline			
LAND-10	During pipeline construction, stockpile excavated topsoil separate from subsoil in agricultural areas.	Submit photographs to the CPM that demonstrates that the topsoil has been kept separate from the subsoil.	7 days after start of trenching for pipeline			
LAND-11	The heat recovery steam generator stacks shall be limited to 145 feet above finished grade.	Notify the CPM of the schedule for backfilling.	7 days prior to backfilling trenches			
LAND-11	The heat recovery steam generator stacks shall be limited to 145 feet above finished grade.	Submit the final design specifications to the CPM for review and approval.	60 days prior to start of construction	7/30/02	9/20/01	10/17/01
						Complete

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
START OF MOBILIZATION/ROUGH GRADING		9/1/02				
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO
TRANS-1	Comply with Caltrans and Santa Clara County limitation on vehicle sizes and weights.	Provide the number of any oversize and overweight transportation permits received during that reporting period.	Monthly Compliance Report			In progress
TRANS-2	Comply with Caltrans and County limitations for encroachment into public rights-of-way and shall obtain necessary encroachment permits.	Submit copies of any encroachment permits received during that reporting period in the Monthly Compliance Report.	Monthly Compliance Report			
TRANS-3	Ensure that all federal and state regulations for the transport of hazardous materials are observed.	Copies of all permits and licenses acquired concerning the transport of hazardous substances.	Monthly Compliance Report			
TRANS-4	The project owner shall enter into a Crossing Agreement with UPRR.	If the permanent crossing warning equipment is not in place, submit a traffic plan for the crossing to UPRR for review.	60 days prior to site preparation	11/15/01	8/16/01	Complete
TRANS-4	The project owner shall enter into a Crossing Agreement with UPRR.	Submit the executed Crossing Agreement to the CPM for approval.	60 days prior to site preparation	11/15/01	8/16/01	Complete
TRANS-4	Install railroad grade crossing warning equipment at the RR crossing for Blanchard Road.	Inform the CPM when the final grade crossing warning equipment is ready for inspection.	Installation of final grade crossing equipment	3/4/02	3/4/02	Submitted
TRANS-5	Consult with Santa Clara Co., San Jose, and Caltrans & prepare a Const. Traffic Control Plan and implementation program.	Provide to Santa Clara County, City of San Jose and Caltrans, and to the CPM, a copy of construction traffic control plan and implementation program.	30 days prior to start of site preparation	10/2/01	10/2/01	Complete
TRANS-6	Repair roadways to original or as near original condition as possible. Refer to TRANS 6 for further details	Photograph, videotape, or digitally record Monterey Rd. between Metcalf Rd. and Blanchard Rd. Provide the CPM, Santa Clara County and Caltrans with a copy of these images.	Prior to start of site preparation	11/15/01	8/9/01	Complete
TRANS-6	Repair roadways to original or as near original condition as possible. Refer to TRANS 6 for further details	Photograph, videotape, or digitally record Monterey Rd. between Metcalf Rd. and Blanchard Rd. Provide the CPM, Santa Clara County and Caltrans with a copy of these images.	Start of ground disturbing activities related to pipeline construction			
TRANS-6	Following completion of construction of the power plant and all related facilities, the project owner shall repair roadways to original or as near original condition as possible.	Notify Caltrans about the schedule for project construction.	60 days prior to site preparation	11/15/01	8/9/01	Complete
TRANS-6	Following completion of construction of the power plant and all related facilities, the project owner shall repair roadways to original or as near original condition as possible.	Meet with the CPM, Santa Clara County, the City of San Jose and Caltrans to determine actions necessary for repair of roadways.	30 days after completion of project construction			
TRANS-7	Prepare and submit a parking and staging plan for all phases of project construction.	Submit the parking and staging plan to the City of San Jose and Santa Clara County for review and comment, and to the CPM for approval.	60 days prior to start of site preparation	10/2/01	10/2/01	Complete
TRANS-8	Prior to the start of commercial operation of MEC, the project owner shall complete a two-lane secondary access connection.	Contact the City regarding the status of the off-site portion of the Santa Teresa Boulevard connection and inform the CPM.	12 months prior to commercial operation			
TRANS-8	Prior to the start of commercial operation of MEC, the project owner shall complete a two-lane secondary access connection.	Notify the City and CPM that the portion of the Santa Teresa Boulevard connection constructed by MEC is ready for inspection.	60 days prior to commercial operation			

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
START OF MOBILIZATION/ROUGH GRADING		1/14/02				
START OF CONSTRUCTION		9/1/02				
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO
NOISE-1	Notify all residents and business entities within one mile of the site of the start of construction and operation of the project.	Notify residents and establish/post telephone number	15 days prior to start of rough grading and steam blows	12/30/01	10/3/01	N/A
NOISE-1	Notify all residents and business entities within one mile of the site of the start of construction and operation of the project.	A statement signed by the Project manager attesting that the above notification has been performed.	Monthly Construction Report Following the Start of Rough Grading	2/14/02	2/14/02	N/A
NOISE-1	Notify all residents and business entities within one mile of the site of the start of construction and operation of the project.	A statement signed attesting that notification was sent to all residents within a 1-mile radius of the project.	Commence Steam blow			Complete
NOISE-1	Notify all residents and business entities within one mile of the site of the start of construction and operation of the project.	Transmit a statement signed by the project manager attesting that a notification was sent to all residents within a one-mile radius of the project.	Monthly Construction Report Following the Steam Blow activity			
NOISE-2	Throughout the construction and operation, document, investigate, evaluate and attempt to resolve all project related noise complaints.	File a copy of the Noise Complaint Resolution Form with City of San Jose and with the CPM documenting the resolution of the complaint.	30 days after receiving a noise complaint			
NOISE-3	Submit to the CPM for review a Noise Control Program.	Submit to the CPM the above referenced program.	30 days prior to Rough Grading	12/15/01	6/12/01	7/27/01
NOISE-4	If a traditional high-pressure steam blow process is employed, equip steam blow piping with a temporary silencer.	Submit to the CPM drawings describing the temporary steam blow silencer, and a description of the steam blow schedule.	15 days prior to first Steam Blow			Complete
NOISE-5	Conduct a 25-hour Community Noise Survey when first achieving an output of 80 percent of rated capacity.	Submit a summary report of the survey to City of San Jose and the CPM.	Within 30 days after completing survey			
NOISE-5	Conduct a 25-hour Community Noise Survey when first achieving an output of 80 percent of rated capacity.	Submit to the CPM a summary report of a new noise survey.	Within 30 days of completion of installation of these measures			
NOISE-6	The project owner shall conduct an occupational noise survey to identify the noise hazardous areas in the facility.	The survey shall be conducted within thirty (30) days after the facility is operating at an output of 80% of rated capacity or greater.	Thirty days after the facility is operating at an output of 80% of rated capacity or greater.			
NOISE-6	The project owner shall conduct an occupational noise survey to identify the noise hazardous areas in the facility.	Submit the noise survey report to the CPM. The project owner shall also submit the report to OSHA upon request.	'Within 30 days after completing the survey.			
NOISE-7	Construction shall be restricted to the hours of 7 a.m. to 7 p.m. on weekdays and from 8 a.m. to 6 p.m. on weekends and holidays.	Transmit a statement certifying that the above restrictions will be observed throughout the construction of the project.	First Monthly Compliance Report	11/15/02	11/15/02	N/A
VIS-1	Treat the project structures, buildings, and tanks visible to the public in a non-reflective color.	Submit proposed plan to the CPM for review and approval.	60 days prior to ordering first equipment that is color treated			Complete
VIS-1	Treat the project structures, buildings, and tanks visible to the public in a non-reflective color.	If the CPM notifies the project owner that any revisions of the plan are needed, shall submit to the CPM a revised plan.	Within 30 days of receiving notification			
VIS-1	Treat the project structures, buildings, and tanks visible to the public in a non-reflective color.	Notify the CPM that all structures treated during manufacture and all structures treated in the field are ready for inspection.	Not less than thirty (30) days prior to the start of commercial operation			
VIS-1	Treat the project structures, buildings, and tanks regarding treatment maintenance in the Annual Compliance Report.	The project owner shall provide a status report	Annual Compliance Report			

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
START OF MOBILIZATION/ROUGH GRADING		1/14/02				
START OF CONSTRUCTION		9/1/02				
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPW/CBO	Date approved by CPW/CBO
VIS-2	Any fencing for the project shall be non-reflective.	Submit the specifications to the CPM for review and approval.	At least 30 days prior to ordering the non-reflective fencing			Status/Comments
VIS-2	Any fencing for the project shall be non-reflective.	If the CPM notifies the project owner that revisions of the submittal are needed the project owner shall prepare and submit a revised submittal.	Within 30 days of receiving notification			
VIS-2	Any fencing for the project shall be non-reflective.	Notify the CPM that the fencing is ready for inspection.	Within 7 days after completing installation of the fencing			
VIS-3	Design and install all lighting such that light bulbs and reflectors are not visible from public viewing areas.	Notify the CPM that the lighting is ready for inspection.	Within seven (7) days of completing exterior lighting installation			
VIS-3	Design and install all lighting such that light bulbs and reflectors are not visible from public viewing areas.	Provide the lighting plan to the CPM for review and approval and to the City of San Jose for review and comment.	Ninety (90) days before ordering the exterior lighting.			
VIS-3	Design and install all lighting such that light bulbs and reflectors are not visible from public viewing areas.	If the CPM notifies the project owner that any revisions of the plan are needed, shall submit to the CPM a revised plan.	Within 30 days of receiving notification			
VIS-3	Restore any and all areas that are disturbed during the construction or operation of any portions of the proposed underground utilities.	If the CPM notifies the project owner that revisions of the submittal are needed, shall prepare and submit to the CPM a revised submittal.	Within 30 days of receiving notification			
VIS-4	Restore any and all areas that are disturbed during the construction or operation of any portions of the proposed underground utilities.	Notify the CPM after completing the surface restoration that it is ready for inspection.	Within seven days after completing the surface restoration			
VIS-4	Restore any and all areas that are disturbed during the construction or operation of any portions of the proposed underground utilities.	Submit the plan to the CPM for review and approval and to the City of San Jose or Santa Clara County for review and comment.	At least sixty days prior to beginning implementation of the surface restoration			
VIS-4	Implement the installation of temporary aesthetic screening along the south and east sides and any of the eastern portion of the north side of the construction laydown area. Install long-term aesthetic screening along the west side of Monterey Road.	Submit any required revisions within 30 days of notification by the CPM.	Within 30 days of receiving notification			
VIS-5	Implement the installation of temporary aesthetic screening along the south and east sides and any of the eastern portion of the north side of the construction laydown area. Install long-term aesthetic screening along the west side of Monterey Road.	The temporary and long-term aesthetic screening installations are ready for inspection.	Within seven days after implementing the proposed plan			
VIS-5	Immediately upon completion of construction of the project, the temporary aesthetic screening shall be removed and the construction laydown area shall be revegetated and restored to its original condition.	Submit proposed plans to the City of San Jose for review and comment and CPM for review and approval.	At least ninety (90) days before intended removal of the temporary aesthetic screen			
VIS-5	Immediately upon completion of construction of the project, the temporary aesthetic screening shall be removed and the construction laydown area shall be revegetated and restored to its original condition.	Submit any required revisions within 30 days of notification by the CPM.	Within 30 days of notification			

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
START OF MOBILIZATION/ROUGH GRADING		1/14/02				
START OF CONSTRUCTION		9/1/02				
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO
VIS-5	Immediately upon completion of construction of the project, the temporary aesthetic screening shall be removed and the construction laydown area shall be revegetated and restored to its original condition.	Notify the CPM that the temporary aesthetic screening removal is ready for inspection.	Within seven days after implementing the proposed plan			Status/Comments
VIS-5	Implement the installation of temporary aesthetic screening along the south and east sides and any of the eastern portion of the north side of the construction laydown area. Install long-term aesthetic screening along the west side of Monterey Road.	Submit the proposed temporary and long-term aesthetic screening plans to the City of San Jose for review and comment.	Ninety (90) days prior to the start of use of the construction laydown area	7/27/01	7/27/01	Submitted. Comments rec'd from SJ were incorporated prior to submittal.
VIS-5	Implement the installation of temporary aesthetic screening along the south and east sides and any of the eastern portion of the north side of the construction laydown area. Install long-term aesthetic screening along the west side of Monterey Road.	Submit the proposed temporary and long-term aesthetic screening plans to the CPM for review and approval.	Ninety (90) days prior to the start of use of the construction laydown area	7/27/01	7/27/01	Revised Monterey Rd. plan submitted 12/18/01. Submitted fabric sample to Gary Walker 2/12/02.
VIS-6	The project owner shall comply with the requirements of Policy 12 of the General Development Plan Standards of the Master Development Plan and Guidelines for the North Coyote Valley Campus Industrial Area.	Submit the proposed temporary and long-term aesthetic screening plans to the City of San Jose for review and comment and the CPM for review and approval.	At least sixty (60) days prior to installing the screening	7/27/2001, 12/18/01	7/27/2001, 12/18/01	(Aesthetic screen)
VIS-6	The project owner shall comply with the requirements of Policy 12 of the General Development Plan Standards of the Master Development Plan and Guidelines for the North Coyote Valley Campus Industrial Area.	Submit any required revisions	Within 30 days of notification			
VIS-6	The project owner shall comply with the requirements of Policy 12 of the General Development Plan Standards of the Master Development Plan and Guidelines for the North Coyote Valley Campus Industrial Area.	The project owner shall notify the CPM when ready for inspection	Within seven days after completing installation of the screening			
VIS-7	Install aesthetic landscape screening along a portion of Coyote Ranch Road.	Submit the proposed aesthetic landscape screening plan to the City of San Jose and County of Santa Clara Parks and Recreation Department for review and comment.	90 days prior to start of construction	6/3/02	6/12/01	Submitted / In progress. Working with County.
VIS-7	Install aesthetic landscape screening along a portion of Coyote Ranch Road.	Submit the proposed aesthetic landscape screening plan to the CPM for review and approval.	90 days prior to start of construction	6/3/02	6/12/01	Submitted / In progress. Working with County.
VIS-7	Install aesthetic landscape screening along a portion of Coyote Ranch Road.	Submit any required revisions	Within thirty (30) days of notification by the CPM.			
VIS-7	Install aesthetic landscape screening along a portion of Coyote Ranch Road.	Notify the CPM in writing that the aesthetic landscape screening installation is ready for inspection.	Within seven (7) days after completing the implementation of the proposed plan			
VIS-8	The gas metering station east of Highway 101 shall be designed in a manner that helps visually screen it from views from Highway 101 and integrate it with its surroundings.	Submit detailed design specifications for the gas metering station to the County of Santa Clara Parks and Recreation Department for review and comment.	At least sixty (60) days before the beginning of construction of the gas metering station			

METCALF ENERGY CENTER - COMPLIANCE MATRIX

Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments
START OF MOBILIZATION/ROUGH GRADING	1/14/02						
START OF CONSTRUCTION	9/1/02						
VIS-8	The gas metering station east of Highway 101 shall be designed in a manner that helps visually screen it from views from Highway 101 and integrate it with its surroundings.	Submit detailed design specifications for the gas metering station to the CPM for review and approval.	At least sixty (60) days before the beginning of construction of the gas metering station				
VIS-8	The gas metering station east of Highway 101 shall be designed in a manner that helps visually screen it from views from Highway 101 and integrate it with its surroundings.	Submit any required revisions.	Required revision by CPM per VIS-8				
VIS-8	The gas metering station east of Highway 101 shall be designed in a manner that helps visually screen it from views from Highway 101 and integrate it with its surroundings.	Notify the CPM that the aesthetic treatment and landscape screening installation is ready for inspection.	Within seven (7) days after implementing the proposed plan				
VIS-9	The power plant shall be designed in a manner that reduces its appearance as an industrial facility and helps visually integrate it with its surroundings.	Submit the proposed architectural design treatment plan to the City of San Jose for review and comment.	At least sixty (60) days prior to the start of architectural treatment				
VIS-9	The power plant shall be designed in a manner that reduces its appearance as an industrial facility and helps visually integrate it with its surroundings.	Submit the proposed architectural design treatment plan to the CPM for review and approval.	At least sixty (60) days prior to the start of architectural treatment				
VIS-9	The power plant shall be designed in a manner that reduces its appearance as an industrial facility and helps visually integrate it with its surroundings.	Shall submit any required revisions.	Within thirty (30) days of notification by the CPM				
VIS-9	The power plant shall be designed in a manner that reduces its appearance as an industrial facility and helps visually integrate it with its surroundings.	Notify the CPM in writing that all structures are ready for inspection.	Thirty (30) days prior to the start of commercial operation				
VIS-10	The power plant shall be designed and operated to minimize visible plumes.	Submit the proposed plume abatement plan to the City of San Jose for review and comment.	At least sixty (60) days prior to the start of construction				
VIS-10	The power plant shall be designed and operated to minimize visible plumes.	Submit the proposed plume abatement plan to the CPM for review and approval.	At least sixty (60) days prior to the start of construction	7/3/02	9/6/01	N/A	Complete
VIS-11	Trail development along the Fisher Creek corridor adjacent to the power plant site.	The project owner shall submit any required revisions.	Within 30 days of notification by the CPM.				
VIS-11	Trail development along the Fisher Creek corridor adjacent to the power plant site.	The project owner shall submit to the City of San Jose and the County of Santa Clara Parks and Recreation Department for review and comment a specific plan.	Start of construction of the trail between Blanchard Road and railroad tracks				
VIS-11	Trail development along the Fisher Creek corridor adjacent to the power plant site.	Submit to the CPM for review and approval a specific plan describing its landscape plan.	Start of construction of the trail between Blanchard Road and railroad tracks				
VIS-11	Trail development along the Fisher Creek corridor adjacent to the power plant site.	Submit any required revisions.	Within 30 days of notification by the CPM.				

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
START OF MOBILIZATION/ROUGH GRAVING		1/14/02				
START OF CONSTRUCTION		9/1/02				
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO
VIS-11	Trail development along the Fisher Creek corridor adjacent to the power plant site.	Notify the CPM, City of San Jose and County of Santa Clara Parks and Recreation Department that the planning installation is ready for inspection.	7 days after completion of planting installation			Status/Comments
VIS-12	Contact the owners of property along Blanchard Road and develop a plan to screen views of the project from each property if so desired by a property owner.	Provide to the CPM a report on the landscaping/screening plan.	15 days prior to project construction	8/17/02		In progress
VIS-12	Contact the owners of property along Blanchard Road and develop a plan to screen views of the project from each property if so desired by a property owner.	Notify the CPM when any measures are ready for inspection.	Measures are ready for inspection			
CUL-1	Name and statement of qualifications of its designated cultural resource specialist.	Submit name and qualifications.	90 days prior to site preparation	10/16/01	7/27/01	Complete
CUL-1	Name and statement of qualifications of its designated cultural resource specialist.	Confirm in writing to the CPM that the approved designated cultural resource specialist will be available at the start of construction.	At least 10 days but no more than 30 days prior to the start of earth disturbing activities	12/15/01	7/26/01	9/25/01 1/22/02
CUL-1	Name and statement of qualifications of its designated cultural resource specialist.	Obtain CPM approval of the replacement specialist.	10 days prior to termination of Cultural Specialist			
CUL-2	Provide the designated cultural resource specialist and the CPM with maps and drawings showing the footprint of the power plant and all linear facilities.	Provide the designated cultural resource specialist and the CPM with the maps and drawings.	75 days prior to the start of earth disturbing activities	10/31/01	9/20/01	11/1/01
CUL-3	CRS shall prepare, and the owner shall submit to the CPM for review and written approval, a CRMMP.	Submit the Cultural Resources Monitoring and Mitigation Plan.	60 days prior to project site preparation	11/15/01	6/12/01	12/15/01 Complete. Will update when appropriate.
CUL-4	WEAT for cultural resources	Submit to the CPM for review and written approval, the proposed WEAT.	60 days prior to the start of construction on the project	11/15/01	9/20/01	12/5/01 Complete
CUL-5	WEAT to all project managers, all construction supervisors, and those workers who operate ground disturbing equipment.	Provide the CPM with documentation that WEAT was administered.	7 days after start of construction	1/21/02	9/29/01	2/10/02 Complete
CUL-5	WEAT to all project managers, all construction supervisors, and those workers who operate ground disturbing equipment.	Provide the CPM with documentation that WEAT was administered.	Monthly Compliance Report			In progress
CUL-6	CRS or monitor shall have the authority to halt or redirect construction if previously unknown cultural resource sites or materials are encountered.	Provide the CPM with a letter confirming CUL-6.	30 days prior to site preparation	12/15/01	7/20/01	8/6/01 Complete
CUL-6	CRS or monitor shall have the authority to halt or redirect construction if previously unknown cultural resource sites or materials are encountered.	For any cultural resource encountered, the project owner shall notify the CPM within 24 hours.	Within 24 hours of cultural resource discovery			
CUL-7	Provide the designated cultural resource specialist with a current schedule of anticipated project activity in the following month and a map.	Provide the CPM with a copy of each weekly schedule of the construction activities.	10 days prior to site preparation	1/14/02	9/28/01	1/14/02 Complete
CUL-7	Provide the designated cultural resource specialist with a current schedule of anticipated project activity in the following month and a map.	Provide the CPM with a copy of each weekly schedule of the construction activities.	Monthly Compliance Report			In progress

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPW/CBO	Date approved by CPW/CBO
START OF MOBILIZATION/ROUGH GRADING	1/14/02					
START OF CONSTRUCTION	9/1/02					
CUL-8	CPW/monitor keep a daily log of any resource finds and the progress or status of the resource monitoring, mitigation, preparation, identification, and analytical work being conducted for the project.	Copies of the weekly summary reports shall be submitted to the CPW in the Monthly Compliance Report.	Monthly Compliance Report			In progress
CUL-9	Except in the areas specified in CUL-3(f), the designated cultural resource specialist or delegated monitor(s) shall be present at times the specialist deems appropriate.	Copies of the weekly summary reports prepared by the designated cultural resource specialist regarding project-related cultural resource monitoring.	Monthly Compliance Report			
CUL-10	Obtain ground disturbance or cultural resource excavation permits from Caltrans and/or the U.S. Army Corps of Engineers.	Submit a copy of any permit addressing data recovery excavation.	Monthly Compliance Report			
CUL-10	Obtain ground disturbance or cultural resource excavation permits from Caltrans and/or the U.S. Army Corps of Engineers.	Provide written documentation to the permitting agency of compliance with any mitigation measures.	Completion of mitigation activity			
CUL-11	Ensure that the CRS performs the recovery, etc. of all cultural resource materials encountered and collected.	Maintain in its compliance files, copies of signed contracts or agreements with the museum(s), university (ies), or other appropriate research specialists.	Periodic Audit by the CPW			
CUL-12	Prepare a scope of work for Cultural Resources Report following completion of data recovery and site mitigation work.	Submit it to the CPW for review and written approval.	7 days after completion of the proposed scope of work.			
CUL-12	Prepare a scope of work for Cultural Resources Report following completion of data recovery and site mitigation work.	Ensure that the designated cultural resources specialist prepares the proposed scope of work	Completion of Data Recovery per CUL-12			
CUL-13	Prepare a Cultural Resources Report as described in CUL-13. Submit the report to the CPW for review and written approval.	Ensure that the designated cultural resources specialist completes the Cultural Resources Report.	Within 90 days following completion of the data recovery and site mitigation work.			
CUL-13	Prepare a Cultural Resources Report as described in CUL-13.	Submit the Cultural Resources Report to the CPW for review and written approval.	Within seven (7) days after completion of the report			
CUL-14	Submit an original, an original-quality copy and a computer disc copy, of the CPW-approved Cultural Resource Report to the public repository to receive the recovered data and materials for curation, with copies to the State Historic Preservation Officer (SHPO), the appropriate regional archaeological information center(s), and a person employed by the City of San Jose who is authorized to receive confidential cultural resources information.	Provide to the CPW documentation that the report has been sent to the public repository receiving the recovered data and materials for curation, the SHPO and the appropriate archaeological information center(s), and the City of San Jose, to a person authorized to receive confidential cultural resources information.	Within thirty (30) days after receiving approval of the Cultural Resources Report			
CUL-15	Ensure that all cultural resource materials, maps, and data collected during data recovery and mitigation for the project are delivered to a public repository.	Ensure that all recovered cultural resource materials are delivered for curation. For the file of the project, maintain copies of signed contracts or agreements with the public repository.	Within thirty (30) days after providing the CPW-approved Cultural Resource Report to the entities			
CUL-16	Consult with Ohlone/Costanoan Native American tribal representatives to develop any agreements for Ohlone/Costanoan monitor(s).	Provide the CPW with a copy of all finalized agreements for Native American (Ohlone/Costanoan) monitor(s).	30 days prior to site preparation	12/15/01	8/8/01	Complete

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
START OF MOBILIZATION/ROUGH GRADING		1/14/02				
START OF CONSTRUCTION		9/1/02				
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO
CUL-17	Presence/absence testing shall be conducted in the vicinity of the natural gas pipeline route or PG&E metering station. Comply with Cul-1, Cul-4 and Cul-5. Comply with Cul-2 and Cul-3 for the entire project. CRS shall examine the area of initial project site mobilization.	Reports addressing the results of the presence/absence testing shall be included in the Monthly Compliance Report. Provide the CPM with information authorized by the CRS identifying the area of initial site mobilization.	Monthly Compliance Report			
CUL-18	If the portable water wells and associated pipelines are to be located anywhere but in an area defined as part of the proposed project then a cultural resource assessment shall be required.	Submit the results of the records search and the results of the survey.	7 days prior to site mobilization	17/7/02	10/2/01	12/15/01 Complete
CUL-19	The project owner and its contractors and subcontractors shall recruit employees and procure materials and supplies within the City of San Jose and Santa Clara County.	Submit copies of contract, subcontractor, and vendor solicitations and guidelines stating hiring and procurement requirements and procedures.	90 days prior to start of construction of wells			
SOCIO-1	The project owner and its contractors and subcontractors shall recruit employees and procure materials and supplies within the City of San Jose and Santa Clara County.	Notify the CPM the reasons for any planned procurement of materials or hiring outside the local regional area that will occur during the next two months.	60 days prior to site preparation	11/15/01	7/20/01	8/8/01 Complete
SOCIO-1	Pay the one-time statutory school facility development fee as required at the time of filing.	Pay the statutory school facility development fee as required at the time of filing.	At Time of Filing			In progress
SOCIO-2	Pay the one-time statutory school facility development fee as required at the time of filing.	Provide proof of payment of the statutory development fee.	Monthly Compliance Report after fees are paid			
BIO-1	Construction site and/or ancillary facilities preparation shall not begin until an approved Designated Biologist is available to be on site.	Submit name, qualifications, address and telephone number of the individual selected.	60 days prior to start of ground disturbance	11/15/01	7/23/01	7/27/01 Complete
BIO-1	Construction site and/or ancillary facilities preparation shall not begin until an approved Designated Biologist is available to be on site.	If the CPM determines the proposed Designated Biologist to be unacceptable, submit another individual's name and qualifications for consideration.	Notification by CPM that proposed Designated Biologist is unacceptable			
BIO-2	The CPM approved Designated Biologist shall perform the following during project construction and operation: see BIO-2 for detailed tasks.	Biologist shall maintain written records of the tasks described.	Monthly Compliance Report			In progress
BIO-2	The CPM approved Designated Biologist shall perform the following during project construction and operation: see BIO-2 for detailed tasks.	Submit record summaries in the Annual Compliance Report.	Annual Compliance Report			
BIO-3	Act on the advice of the Designated Biologist to ensure conformance with the Biological Resources Conditions of Certification and shall halt all construction activities, if necessary.	Notify the CPM by telephone of the circumstances and actions being taken to resolve the problem or the non-compliance with a condition.	Within 2 working days of notification of non-compliance			
BIO-4	Submit to the CPM for review and approval a copy of the final BRMIMP and shall implement the measures identified in the plan.	Provide the CPM with the final version of the BRMIMP.	45 days prior to start of ground disturbance	1/1/01	7/23/01	8/30/01 Complete
BIO-4	Submit to the CPM for review and approval a copy of the final BRMIMP and shall implement the measures identified in the plan.	Provide to the CPM for review and approval a written report identifying which items of the BRMIMP have been completed.	30 days after construction complete			

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPW/CBO	Date approved by CPW/CBO
START OF MOBILIZATION/ROUGH GRADING	1/14/02					
START OF CONSTRUCTION	9/1/02					
BIO-5	Develop the riparian corridor planning plan for inclusion into the BRMIMP. Develop WEAT for biological resources.	Provide to the CPM for review and approval the riparian restoration plan.	45 days prior to ground disturbance	11/30/01	7/23/01	10/17/01
BIO-6	Develop WEAT for biological resources.	State in the Monthly Compliance Report the number of persons who have completed the training in the prior month.	Monthly Compliance Report			In progress
BIO-6	Acquire a SAA from CDFG.	Provide copies of the WEAT and the name and qualifications of the person(s) administering the program.	60 days prior to start of rough grading	11/15/01	9/20/01	12/5/2001 (video)
BIO-7	Provide a final copy of the U.S. Fish and Wildlife Service Biological Opinion.	Submit to the CPM a copy of the final CDFG Streambed Alteration Agreement.	30 days prior to the start of any streambed alteration/disturbances			In progress
BIO-8	Provide a final copy of the Nationwide No. 7 permit.	Submit to the CPM a copy of the USFWS Biological Opinion.	45 days prior to the start of ground disturbance	11/30/01	7/23/01	7/27/01
BIO-9	Provide 116 acres of land on Tujare Hill and 15 acres of land on Coyote Ridge, the name of the entity that will be managing the land in perpetuity, and the endowment funds.	Submit to the CPM a copy of the Nationwide No. 7 permit.	30 days prior to the start of any streambed alteration			In progress
BIO-10	Develop a suitable final habitat management and monitoring plan for lands purchased on Tujare Hill and Coyote Ridge.	Provide to the CPM for approval, the name of the management entity, written verification that the compensation lands have been purchased and written verification that the appropriate endowment fund has been received.	Within one week of commencing ground disturbance activities	1/21/02	2/26/02	Submitted
BIO-11	Incorporate into closure plan measures that address the local biological resources and incorporate into the BRMIMP.	Provide the CPM with the final approved version of the management plan. Incorporate into BRMIMP.	60 days prior to start of ground disturbance	11/15/01	6/25/01	7/9/01
BIO-12	Comply with BIO-1, BIO-2, and BIO-10 and complete BIO-6. Examine the area and ensure no special status species are present.	Address all biological resource-related issues associated with facility closure.	12 months prior to facility closure			Complete
BIO-13	Potable water may be used for cooling purposes only in the event that SBWR recycled water service is interrupted.	Provide the CPM with the location date(s), methods(s), and results of the pre-examination.	10 days prior to mobilization	1/4/02	9/28/01	10/17/01
SOIL & WATER-1	Provide a record of water consumption for the MEC.	Provide CPM with a copy of a valid Recycled Water use permit from the City of San Jose.	Construction complete			Complete
SOIL & WATER-1	Provide a firm commitment for its construction water supply.	Provide a record of water consumption for the MEC.	Annual Compliance Report			
SOIL & WATER-2	Storm Water Pollution Prevention Plan (SWPPP) for construction.	Submit a copy of the SWPPP to the CPM for review and approval.	30 days prior to the start of construction	8/2/02	12/5/01	Complete
SOIL & WATER-2	Storm Water Pollution Prevention Plan (SWPPP) for construction.	Approval of the plan by the CPM must be received prior to the initiation of any clearing, grading or excavation activities.	30 days prior to start of ground disturbance	12/15/01	8/31/01	Complete for project site
SOIL & WATER-3	Final erosion control and revegetation plan that addresses all project elements.	Approval of the final plan by the CPM must be received prior to the initiation of any clearing, grading or excavation activities.	Start of ground disturbance	1/14/02	8/31/01	Complete for project site
SOIL & WATER-3				12/15/01	8/31/01	Complete for project site

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
START OF MOBILIZATION/ROUGH GRAVING		1/14/02				
START OF CONSTRUCTION		9/1/02				
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO
SOIL & WATER-4	Obtain SCWWD approval for all activities within floodways or upon or within the banks of watercourses.	Obtain SCWWD approval.	30 days prior to ground disturbance	12/15/01	8/31/01	1/25/02 Complete (4 permits)
SOIL & WATER-5	Develop and implement a Storm Water Pollution Prevention Plan (SWPPP) as required under the General Industrial Activity Storm Water Permit.	Develop and implement a Storm Water Pollution Prevention Plan (SWPPP).	60 days prior to commercial operation			
SOIL & WATER-5	Develop and implement a Storm Water Pollution Prevention Plan (SWPPP) as required under the General Industrial Activity Storm Water Permit.	Submit a copy of the Storm Water Pollution Prevention Plan (SWPPP).	2 weeks prior to commercial operation			
SOIL & WATER-6	Industrial Discharge Permit from the City of San Jose Environmental Services Division.	Provide the CPM a copy of a valid Industrial Discharge Permit.	45 days prior to commercial operation			
SOIL & WATER-7	Obtain a Section 401 Certification from the San Francisco RWQCB.	Submit to the CEC CPM a copy of the Section 401 Certification.	30 days prior to the start of any streambed alteration activities			In progress
SOIL & WATER-8	Shall only use groundwater for MEC process and domestic requirements and for back-up cooling make up from either the two wells and pipelines.	Submit the following to the Energy Commission CPM: all construction specifications, a copy of the valid well permit(s) and registration numbers, any construction or operation conditions.	30 days prior to construction of wells			
SOIL & WATER-8	Shall only use groundwater for MEC process and domestic requirements and for back-up cooling make up from either the two wells and pipelines.	Notify the CPM that the wells have been installed and submit the results of the pump and aquifer tests conducted.	30 days after completion of wells			
SOIL & WATER-9	Design, construct, and fully fund the portion of the SBWR reclaimed water supply pipeline dedicated to, and essential for, the operation of MEC.	Submit evidence demonstrating that the project owner has negotiated or is negotiating one or more agreements to provide SBWR reclaimed water.	30 days prior to start of construction			
GEO-1	Assign to the project an engineering geologist(s).	Submit to the CPM the name(s) and license number(s) of the certified engineering geologist(s).	30 days prior to start of construction			
GEO-1	Assign to the project an engineering geologist(s).	Notify CPM of replacement of Engineering Geologist.	30 days prior to start of construction			
GEO-2	The assigned engineering geologist(s) shall carry out the duties required by the 1998 CBC.	Submit Grading Permit Application	Replacement of Engineering Geologist	8/2/02	7/27/01 12/8/02	N/A Complete
GEO-2	The assigned engineering geologist(s) shall carry out the duties required by the 1998 CBC.	Submit a signed statement to the CPM stating that the Engineering Geology Report has been submitted to the CBO.	Application for Grading Permit per GEO-2	1/11/02	1/11/02	Submitted to CBO
GEO-2	The assigned engineering geologist(s) shall carry out the duties required by the 1998 CBC.	Submit copies of the Final Engineering Geology Report to the CPM and the CBO.	Replacement of Engineering Geologist	1/26/02	1/28/02	Complete
PAL-1	Ensure that the designated paleontological resource specialist is available for field activities.	Submit the name and resume and the availability for its designated paleontological resource specialist.	15 days after submittal of application			
PAL-1	Ensure that the designated paleontological resource specialist is available for field activities.	Obtain CPM approval of the replacement specialist.	90 days following completion of Final Grading			
PAL-2	Prepare Paleontologic Resources Monitoring and Mitigation Plan.	Provide the CPM with a copy of the Monitoring and Mitigation Plan.	90 days prior to start of construction			
PAL-3	WEAT for paleo resources.	Submit to the CPM for review, comment, and written approval, the WEAT.	30 days prior to start of construction			
PAL-3	WEAT for paleo resources.	Documentation for training of additional new employees.	Monthly Compliance Report	9/20/01	10/3/2001 3/20/02 (video)	Complete In progress

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO
START OF MOBILIZATION/ROUGH GRADING	1/14/02					
START OF CONSTRUCTION	9/1/02					
PAL-4	The designated paleontological resource specialist shall be present at all times he or she deems appropriate to monitor.	Include a summary of paleontological activities.	Monthly Compliance Report			In progress
PAL-5	Ensure recovery, preparation for analysis, analysis, identification and inventory, the preparation for curtailment, and the delivery for curtailment of all significant paleontological resource materials.	Maintain in compliance files copies of signed contracts or agreements with the designated paleontological resource specialist. Maintain these files for a period of three years after approval Paleontological Resources Report.	Periodic Audit by the CPM per PAL-5			
PAL-6	Ensure preparation of a Paleontological Resources Report by the designated paleontological resource specialist.	Submit a copy of the Paleontological Resources Report to the CPM for review and approval.	Within 90 days following completion of the analysis			
PAL-7	Include in the facility closure plan a description regarding facility closure activity's potential to impact paleontological resources.	Include a description of closure activities in the facility closure plan.	Facility Closure Plan			
GEN-1	Design, construct and inspect the project in accordance with the 1998 California Building Code (CBC) and all other applicable LORS in effect at the time initial design plans are submitted to the CBO for review and approval.	Submit to the CPM a statement of verification attesting that all designs, construction, installation and inspection requirements of the initial design plans have been met.	Within 30 days after receipt of the Certificate of Occupancy.			
GEN-1	Design, construct and inspect the project in accordance with the 1998 California Building Code (CBC) and all other applicable LORS in effect at the time initial design plans are submitted to the CBO for review and approval.	Provide the CPM a copy of the Certificate of Occupancy.	Within 30 days after receipt of the Certificate of Occupancy.			
GEN-2	Submit to the CPM and CEO a schedule of facility design submittals, a Master Drawing List, and a Master Specifications List.	Submit the schedule, a Master Drawing List, and 60 days prior to start of rough grading	11/15/01	10/4/01	10/18/01	Complete
GEN-2	Submit to the CPM and CEO a schedule of facility design submittals, a Master Drawing List, and a Master Specifications List.	Provide schedule updates in Monthly Compliance Report	Monthly Compliance Report			
GEN-3	Make payments to the CBO for design review, plan check and construction inspection.	Make the required payments to the CEO at the time of submittal.	Submittal of plans to the CBO.			In progress
GEN-3	Make payments to the CBO for design review, plan check and construction inspection.	Send a copy of the CEO's receipt of payment to the CPM.	Monthly Compliance Report after Fees are Paid	11/15/01	12/14/01	N/A
GEN-4	Assign a California registered architect, structural engineer or civil engineer, as a resident engineer (RE).	Submit to the CEO for review and approval, the name, qualifications and registration number of the RE.	30 days prior to start of rough grading	12/15/01	8/1/01	8/7/01
GEN-4	Assign a California registered architect, structural engineer or civil engineer, as a resident engineer (RE).	Notify the CPM of the CEO's approvals of the RE.	Within 5 days of CBO approval	8/12/01	9/19/01	N/A
GEN-4	Assign a California registered architect, structural engineer or civil engineer, as a resident engineer (RE).	Submit qualifications of replacement RE.	Within 5 days	12/12/01	12/12/01	1/16/02
GEN-4	Assign a California registered architect, structural engineer or civil engineer, as a resident engineer (RE).	Notify the CPM of the CEO's approval of the new engineer (RE).	Within 5 days of CBO approval	1/21/02	1/18/02	N/A
GEN-5	Assign A) a civil engineer; B) a geotechnical engineer; C) a design engineer; D) a mechanical engineer; and E) an electrical engineer.	Submit to the CBO for review and approval, the names, qualifications, and registration numbers of all the responsible engineers.	30 days prior to start of rough grading	12/15/01	8/7/01	8/7/01

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
START OF MOBILIZATION/ROUGH GRAVING		9/1/02				
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO
GEN-5	Assign A) a civil engineer; B) a geotechnical engineer; C) a design engineer; D) a mechanical engineer; and E) an electrical engineer.	The project owner shall notify the CPM or the CBO's approvals of the engineers within five days of the approval.	Within 5 days of CBO approval	8/12/01	8/16/01	N/A
GEN-5	Assign A) a civil engineer; B) a geotechnical engineer; C) a design engineer; D) a mechanical engineer; and E) an electrical engineer.	Submit qualifications of replacement engineer.	Within 5 days	12/17/01 11/26/01	1/18/02 1/18/01	Complete
GEN-5	Assign A) a civil engineer; B) a geotechnical engineer; C) a design engineer; D) a mechanical engineer; and E) an electrical engineer.	Notify the CPM or the CBO's approval of the new engineer.	Within 5 days of CBO approval	1/18/02 & 1/28/02	N/A	Complete
GEN-6	Assign qualified and certified special inspector(s).	Submit to the CBO for review and approval, with a copy to the CPM, the name(s), and qualifications.	15 days prior to any activity requiring Special Inspection	1/11/02	1/16/02	In progress
GEN-6	Assign qualified and certified special inspector(s).	Submit to the CPM a copy of the CBO's approval.	Monthly Compliance Report after Special Inspectors are approved	2/14/02		In progress
GEN-6	Assign qualified and certified special inspector(s).	Replacement of special inspectors	Replacement of Special Inspector			
GEN-6	Assign qualified and certified special inspector(s).	Notify the CPM of the CBO's approval of the newly assigned Inspector.	Within 5 days of CBO approval			
GEN-7	Keep the CBO informed regarding the status of engineering and construction.	Submit monthly construction progress reports to the CBO and CPM.	Monthly Construction Progress Report			
GEN-7	Keep the CBO informed regarding the status of engineering and construction.	Document the discrepancy and recommend the corrective action required.	Discrepancy in Design or Construction			In progress
GEN-7	Keep the CBO informed regarding the status of engineering and construction.	Transmit a copy of the CBO's approval or disapproval of any corrective action taken to resolve a discrepancy to the CPM.	Within 15 days of CBO Approval or Disapproval of Discrepancy			
GEN-7	Keep the CBO informed regarding the status of engineering and construction.	If disapproved, advise the CPM, the reason for disapproval, and the revised corrective action to obtain CBO's approval.	Within 5 days of CBO Approval or Disapproval of Discrepancy			
GEN-8	Obtain the CBO's final approval of all completed work.	Submit to the CBO, with a copy to the CPM, a written notice that the completed work is ready for final inspection, and a signed statement that the work conforms to the final approved plans.	Within 15 days of the completion of any work			
CIVIL-1	Prior to the start of site grading, submit to the CBO for review and approval the following: 1. Design of the proposed drainage structures and the grading plan; 2. An erosion and sedimentation control plan; 3. Related calculations and specifications; 4. Soils report	Submit the documents described above to the CBO for review and approval.	15 days prior to start of rough grading			
CIVIL-1	Prior to the start of site grading, submit to the CBO for review and approval the following: 1. Design of the proposed drainage structures and the grading plan; 2. An erosion and sedimentation control plan; 3. Related calculations and specifications; 4. Soils report	Submit a written statement certifying that the documents have been approved by the CBO.	12/30/01	8/27/01	N/A	In progress
		Monthly Compliance Report after CIVIL-1 Documents are Approved				

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
START OF MOBILIZATION/ROUGH GRADING		1/14/02				
START OF CONSTRUCTION		9/1/02				
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO
CIVIL-2	The resident engineer shall, if appropriate, stop all earthwork and construction in the affected areas when the responsible geotechnical engineer identifies unforeseen adverse soil or geologic conditions.	Notify CPM within 5 days when work is stopped.	Within 5 days when work is stopped.			Status/Comments
CIVIL-2	The resident engineer shall, if appropriate, stop all earthwork and construction in the affected areas when the responsible geotechnical engineer identifies unforeseen adverse soil or geologic conditions.	Submit modified plans, specifications and calculations to the CBO based on new conditions.	Work Stopped Due to Unforeseen or Adverse Soil Conditions			
CIVIL-2	The resident engineer shall, if appropriate, stop all earthwork and construction in the affected areas when the responsible geotechnical engineer identifies unforeseen adverse soil or geologic conditions.	Copy CPM within 5 days of CBO approval of Modified Plans.	5 days of CBO approval			
CIVIL-3	Perform inspections in accordance with the 1998 CBC, Chapter 1, Section 108, Inspections, Chapter 17, Section 1701.6, Continuous and Periodic Special Inspection and Appendix Chapter 33, Section 317, Grading Inspection.	Perform inspections in accordance with the 1998 CBC, Chapter 1, Section 108, Inspections, Chapter 17, Section 1701.6, Continuous and Periodic Special Inspection and Appendix Chapter 33, Section 317, Grading Inspection.	Start of Rough Grading			
CIVIL-3	Perform inspections in accordance with the 1998 CBC, Chapter 1, Section 108, Inspections, Chapter 17, Section 1701.6, Continuous and Periodic Special Inspection and Appendix Chapter 33, Section 317, Grading Inspection.	The resident engineer shall transmit to the CBO and the CPM a Non-Conformance Report and the proposed corrective action.	Within 5 days of discovery of discrepancy in grading			
CIVIL-3	Perform inspections in accordance with the 1998 CBC, Chapter 1, Section 108, Inspections, Chapter 17, Section 1701.6, Continuous and Periodic Special Inspection and Appendix Chapter 33, Section 317, Grading Inspection.	Submit the details of the corrective action to the CBO and the CPM.	Within 5 days of resolution of grading NCR.			
CIVIL-3	Perform inspections in accordance with the 1998 CBC, Chapter 1, Section 108, Inspections, Chapter 17, Section 1701.6, Continuous and Periodic Special Inspection and Appendix Chapter 33, Section 317, Grading Inspection.	A list of NCR's, for the reporting month, shall also be included in the following Monthly Compliance Report.	Monthly Compliance Report after Resolution of Grading NCR.			
CIVIL-4	After completion of finished grading and erosion and sedimentation control and drainage facilities, the project owner shall obtain the CBO's approval of the final "as-graded" grading plans, and final "as-built" plans for the erosion and sedimentation control facilities.	Submit to the CBO the responsible Civil engineer's signed statement that the installation of the facilities and all erosion control measures were completed in accordance with the final approved combined grading plans.	30 days after completion of the Erosion and Sediment Control Mitigation and Drainage Facilities			
CIVIL-4	After completion of finished grading and erosion and sedimentation control and drainage facilities, the project owner shall obtain the CBO's approval of the final "as-graded" grading plans, and final "as-built" plans for the erosion and sedimentation control facilities.	Submit a copy of this report to the CPM in the next Monthly Compliance Report.	Monthly Compliance Report Following Completion of the Erosion and Sediment Control Mitigation and Drainage Facilities			

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO
START OF MOBILIZATION/ROUGH GRADING	1/14/02					
START OF CONSTRUCTION	9/1/02					
STRUC-1	Submit to the CBO for review and approval the applicable designs, plans and drawings, and a list of those project structures, components and major equipment items that will undergo dynamic structural analysis.	Submit to the CBO, with a copy to the CPM, the responsible design engineer's signed statement that the final design plans, specifications and calculations conform with all of the requirements.	30 days prior to any increment of STRUC-1 Construction			
STRUC-1	Submit to the CBO for review and approval the applicable designs, plans and drawings, and a list of those project structures, components and major equipment items that will undergo dynamic structural analysis.	Obtain approval from the CBO of lateral force procedures proposed for project structures. Obtain approval from the CBO for the final design plans, specifications, calculations, soils reports, and applicable quality control procedures. Submit to the CBO the required number of copies of the structural plans, specifications, calculations. The final designs, plans, calculations and specifications shall be signed and stamped by the responsible design engineer.	90 days prior to the start of on-site fabrication and installation of each structure			
STRUC-1	Submit to the CBO for review and approval the applicable designs, plans and drawings, and a list of those project structures, components and major equipment items that will undergo dynamic structural analysis.	If the CBO discovers non-conformance with the stated requirements, resubmit the corrected plans to the CBO with a copy to the CPM.	Within 20 days of receipt of the nonconforming submittal			
STRUC-1	Submit to the CBO for review and approval the applicable designs, plans and drawings, and a list of those project structures, components and major equipment items that will undergo dynamic structural analysis.	Submit to the CBO a copy of a statement from the CBO that the proposed structural plans, specifications, and calculations have been approved and are in conformance with the requirements.	Approval by the CBO of Resubmitted STRUC-1 Submittal			
STRUC-2	The project owner shall submit to the CBO the required number of sets of the following: See STRUC-2.	Submit test reports and inspection reports to the CBO	Test Reports or Inspection Reports are Complete			
STRUC-2	The project owner shall submit to the CBO the required number of sets of the following: See STRUC-2.	If a discrepancy is discovered in any of the above data prepare and submit an NCR to the CBO, with a copy of the transmittal letter to the CPM.	Within 5 days of discovery of discrepancy			
STRUC-2	The project owner shall submit to the CBO the required number of sets of the following: See STRUC-2.	Submit a copy of the corrective action to the CBO and the CPM.	Within five days of resolution of the NCR			
STRUC-2	The project owner shall submit to the CBO the required number of sets of the following: See STRUC-2.	Transmit a copy of the CBO's approval or disapproval of the corrective action to the CPM.	Within 15 days of CBO approval			
STRUC-2	The project owner shall submit to the CBO the required number of sets of the following: See STRUC-2.	If disapproved, advise the CPM, the reason for disapproval, and the revised corrective action to obtain CBO's approval.	Within 5 days of CBO disapproval			
STRUC-3	Submit to the CBO design changes to the final plans required by the 1988 CBC, Chapter 1, Section 106.3.2, Submittal documents, and Section 106.3.3.	Notify the CBO of the intended filing of design changes, and shall submit the required number of sets of revised drawings and the required number of copies with a copy of the transmittal letter to the CPM.	Design Changes to STRUC-1 Designs Previously Approved by the CBO			

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
START OF MOBILIZATION/ROUGH GRADING		1/14/02				
START OF CONSTRUCTION		9/1/02				
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO
STRUC-3	Submit to the CBO design changes to the final plans required by the 1998 CBC, Chapter 1, Section 106.3.2, Submittal documents, and Section 106.3.3.	Notify the CPM, via the Monthly Compliance Report, when the CEO has approved the revised plans.	Monthly Compliance Report			Status/Comments
STRUC-4	Tanks and vessels containing quantities of toxic or hazardous materials exceeding amounts must be designed to comply with Occupancy Category 2 of the 1998 CBC.	Submit to the CBO for review and approval, final design plans, specifications, and calculations, including a copy of the signed and stamped engineer's certification.	30 days prior to the start of installation of the tanks or vessels			
STRUC-4	Tanks and vessels containing quantities of toxic or hazardous materials exceeding amounts must be designed to comply with Occupancy Category 2 of the 1998 CBC.	Send copies of the CBO approvals of plan checks to the CPM in the following Monthly Compliance Report.	Monthly Compliance Report			
STRUC-4	Tanks and vessels containing quantities of toxic or hazardous materials exceeding amounts must be designed to comply with Occupancy Category 2 of the 1998 CBC.	Transmit a copy of the CBO's inspection approvals to the CPM.	Monthly Compliance Report			
MECH-1	Prior to the start of any increment of piping construction, submit, for CBO review and approval, the proposed final design drawings, specifications and calculations for that increment of construction of piping systems.	Submit to the CBO for approval, with a copy to the CPM, the proposed final design plans, specifications, calculations, and quality control procedures for that increment of construction of piping systems.	30 days prior to the start of any increment of piping construction			
MECH-1	Prior to the start of any increment of piping construction, submit, for CBO review and approval, the proposed final design drawings, specifications and calculations for each plant piping system.	Transmit a copy of the CBO's inspection approvals to the CPM in the Monthly Compliance Report following completion of any inspection.	Monthly Compliance Report after CBO Inspection Approval of MECH-1 Piping Systems			
MECH-2	For all pressure vessels installed in the plant, submit to the CBO and Cal-OSHA, prior to operation, the code certification papers and other documents required by the applicable LORS.	Submit to the CBO for review and approval, final design plans, specifications, and calculations, including a copy of the signed and stamped engineer's certification, with a copy to the CPM.	30 days prior to the start of on-site fabrication or installation of any pressure vessel			
MECH-2	For all pressure vessels installed in the plant, submit to the CBO and Cal-OSHA, prior to operation, the code certification papers and other documents required by the applicable LORS.	The project owner shall send copies of the CBO plan check approvals to the CPM in the following Monthly Compliance Report.	Monthly Compliance Report after CBO Approval of Plan Checks for Pressure Vessels			
MECH-2	Prior to the start of construction of any heating, ventilating, air conditioning (HVAC) or refrigeration system, submit to the CEO for review and approval the design plans, specifications, calculations and quality control procedures for that system.	Transmit a copy of the CBO's and/or Cal-OSHA's inspection approvals to the CPM in the Monthly Compliance Report following completion of any inspection.	Monthly Compliance Report after CBO Inspection Approval of Pressure Vessels Defined in MECH-2			
MECH-3	Prior to the start of construction of any heating, ventilating, air conditioning (HVAC) or refrigeration system, submit to the CEO for review and approval the design plans, specifications, calculations and quality control procedures for that system.	Submit to the CBO the required HVAC and refrigeration calculations, plans and specifications, including a copy of the signed and stamped statement from the responsible mechanical engineer, with a copy to the CPM.	30 days prior to the start of construction of any HVAC or refrigeration system			

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
START OF MOBILIZATION/ROUGH GRADING		1/14/02				
START OF CONSTRUCTION		9/1/02				
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO
MECH-3	Prior to the start of construction of any heating, ventilating, air conditioning (HVAC) or refrigeration system, submit to the CBO for review and approval the design plans, specifications, calculations and quality control procedures for that system.	Send copies of CBO comments and approvals to the CPM in the next Monthly Compliance Report.	Monthly Compliance Report after CBO Approval of Plan Checks for HVAC Systems			Status/Comments
MECH-3	Prior to the start of construction of any heating, ventilating, air conditioning (HVAC) or refrigeration system, submit to the CBO for review and approval the design plans, specifications, calculations and quality control procedures for that system.	Transmit a copy of the CBO's inspection approvals to the CPM in the Monthly Compliance Report following completion of any inspection.	Monthly Compliance Report after CBO Inspection Approval of HVAC Systems Defined in MECH-3			
MECH-4	Prior to the start of each increment of plumbing construction, submit for CBO's approval the final design plans, specifications, calculations, and QA/QC procedures for all plumbing systems, potable water systems, drainage systems, toilet rooms, building energy conservation systems, and temperature control and ventilation systems, including water and sewer connection permits issued by the local agency.	Submit to the CBO the final design plans, specifications and calculations, including a copy of the signed and stamped statement from the responsible mechanical engineer certifying compliance with the applicable edition of the CBC	30 days prior to the start of construction of any of the above systems			
MECH-4	Prior to the start of each increment of plumbing construction, submit for CBO's approval the final design plans, specifications, calculations, and QA/QC procedures for all plumbing systems, potable water systems, drainage systems, toilet rooms, building energy conservation systems, and temperature control and ventilation systems, including water and sewer connection permits issued by the local agency.	Send the CPM a copy of the transmittal letter with the signed and stamped statement from the responsible mechanical engineer certifying compliance with the applicable edition of the CBC in the next Monthly Compliance Report.	Monthly Compliance Report after Mechanical Engineer Certification of HVAC System per MECH-4			
ELEC-1	Prior to the start of each increment of plumbing construction, submit for CBO's approval the final design plans, specifications, calculations, and QA/QC procedures for all plumbing systems, potable water systems, drainage systems, toilet rooms, building energy conservation systems, and temperature control and ventilation systems, including water and sewer connection permits issued by the local agency.	Transmit a copy of the CBO's inspection approvals to the CPM in the next Monthly Compliance Report following completion of that increment of construction.	Monthly Compliance Report after CEO Inspection of HVAC System per MECH-4			
ELEC-1	For the 480V and Higher systems, shall not begin any increment of electrical construction until plans for that increment have been approved by the CBO.	Submit to the CBO for review and approval the final design plans, specifications and calculations for electrical equipment, including a copy of the signed and stamped statement from the responsible electrical engineer.	30 days prior to the start of each increment of electrical construction			

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
START OF MOBILIZATION/ROUGH GRADING		1/14/02				
START OF CONSTRUCTION		9/1/02				
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO
ELEC-1	For the 480V and higher systems, shall not begin any increment of electrical construction until plans or that increment have been approved by the CBO.	Send a copy of the transmittal letter of the signed and stamped statement from the electrical engineer attesting compliance with the applicable LOHS to the CPM.	Monthly Compliance Report after submitting Electrical Documents for CBO Approval per ELEC-1			Status/Comments
ELEC-1	For the 480V and higher systems, shall not begin any increment of electrical construction until plans or that increment have been approved by the CBO.	The following activities shall be reported in the Monthly Compliance Report: 1. Receipt or delay of major electrical equipment, 2. Testing or energization of major electrical equipment.	Monthly Compliance Report after Receipt or Testing of Equipment or CBO Approval of Electrical Drawings per ELEC-1			
ELEC-2	The project owner shall submit to the CBO the required number of copies of items A and B for review and approval and one copy of item C [CBC 1998, Section 106.3.2, Submittal documents.]	Submit to the CBO for review and approval the final design plans, specifications and calculations, for electrical equipment, including a copy of the signed and stamped statement from the responsible electrical engineer certifying compliance with the applicable LOHS.	30 days prior to the start of each increment of electrical equipment installation			
ELEC-2	The project owner shall submit to the CBO the required number of copies of items A and B for review and approval and one copy of item C [CBC 1998, Section 106.3.2, Submittal documents.]	Send a copy of the transmittal letter of the signed and stamped statement from the responsible electrical engineer attesting compliance with the applicable LOHS to the CPM in the next Monthly Compliance Report.	Monthly Compliance Report after submitting Electrical Documents for CBO Approval per ELEC-2			
TSE-1	Ensure the design, construction and operation of transmission facilities conform to requirements TSE1a - h listed in Conditions of Certification.	Submit for approval to the CPM: Design drawings, specifications and calculations for the poles/towers, foundations, anchor bolts, conductors, grounding systems and major switchyard equipment.	60 days prior to construction of transmission facilities			
TSE-1	Ensure the design, construction and operation of transmission facilities conform to requirements TSE1a - h listed in Conditions of Certification.	Submit for approval to the CPM: b) For each element of the transmission facilities as identified above, the submittal package to the CPM shall contain the design criteria, etc.	60 days prior to construction of transmission facilities			
TSE-1	Ensure the design, construction and operation of transmission facilities conform to requirements TSE1a - h listed in Conditions of Certification.	Submit for approval to the CPM: c) Electrical one-line diagrams signed and sealed by the registered professional electrical engineer in responsible charge, a route map, and an engineering description of equipment.	60 days prior to construction of transmission facilities			
TSE-2	Inform the CPM of any impending changes which may not conform to the requirements of 1a - h listed changes.	Inform the CPM of any impending changes which may not conform.	60 days prior to construction of transmission facilities			
TSE-3	Be responsible for the inspection of the transmission facilities during and after project construction and any subsequent CPM approved changes.	Transmit to the CPM "as built" engineering description(s) and one-line drawings of the as-built facilities signed and sealed by a registered electrical engineer in responsible charge.	Within 60 days after synchronization of the project			

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
START OF MOBILIZATION/ROUGH GRADING		1/14/02				
START OF CONSTRUCTION		9/1/02				
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO
TSE-3	Be responsible for the inspection of the transmission facilities during and after project construction and any subsequent CPM approved changes.	Transmit to the CPM an "as built" engineering description of the mechanical, structural, and civil portion of the transmission facilities signed and sealed by the registered engineer.	Within 60 days after synchronization of the project			Status/Comments
TSE-3	Be responsible for the inspection of the transmission facilities during and after project construction and any subsequent CPM approved changes.	Transmit to the CPM a summary of inspections of the completed transmission facilities, and identification of any nonconforming work and corrective actions taken, signed and sealed by the registered engineer.	Within 60 days after synchronization of the project			
Governor's Executive Order No. D-25-01	Milestones, and method of verification must be established and agreed upon by the project owner and the CPM no later than 30 days after project approval, the date of docketing. If this deadline is not met, the CPM will establish the milestones.	ESTABLISH PRE-CONSTRUCTION MILESTONES TO ENABLE START OF CONSTRUCTION WITHIN ONE YEAR OF CERTIFICATION	Project Certification	10/24/01	10/24/01	11/19/01 Complete
Governor's Executive Order No. D-25-01	Milestones, and method of verification must be established and agreed upon by the project owner and the CPM no later than 30 days after project approval, the date of docketing. If this deadline is not met, the CPM will establish the milestones.	ESTABLISH CONSTRUCTION MILESTONES FROM DATE OF START OF CONSTRUCTION	Project Certification	10/24/01	10/24/01	11/19/01 Complete
Pre-constr matrix	Prior to commencing construction a compliance matrix addressing only those conditions that must be fulfilled before the start of construction shall be submitted to the CPM.	Construction shall not commence until the pre-construction conditions have been compiled with, and the CPM has issued a letter to the project owner authorizing construction.	Start of Construction			
Compliance matrix	A compliance matrix shall be submitted by along with each monthly and annual compliance report.	Submit compliance matrix to CPM	Monthly Compliance Report	11/15/01	11/15/01	In progress

PUBLIC CONTACT LOG
COMPLAINTS, NOTICES OF VIOLATION, OFFICIAL WARNINGS
AND CITATIONS

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #8

MEC PUBLIC CONTACT LOG - May 2002

5/7/2002, 9:54AM	Dave Davison 998-63-90x127	MEC info. line	Works for Air Gas, San Jose, looking for employment	Referred him to Steve Degroote at Mortenson	5/22/02, 4:45PM Lisa Poelle
5/8/02, 8:31AM	Ray Delgato 448-1061	MEC info. line	Electrician, wants work	Referred him to Building Trades number	5/22/02, 4:50PM Lisa Poelle
5/20/02, 11:11AM	Doug Calkins 209-537-8934	MEC info. line	Wanted information	Left message with Lisa Poelle's number	5/22/2002, 9:00AM Lisa Poelle
5/27/2002	Ray Delgato	MEC info. line	Needed number again	Left message w/ number	5/30/02, 1:15PM Lisa Poelle

CBO SUBMITTALS, COMMENTS AND APPROVALS

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #8

STATUS OF CBO SUBMITTALS FOR APRIL 2002

Project Number	Category	Description	Advanced Status	Comments	Date Init.	Actual to CBO	CBO Response	CBO Approval
CIVIL-1	0	TECHNICAL SPECIFICATION FOR EARTHWORK, GRADING AND STRUCTURAL BACKFILL SITE PLAN	Approved	CLOSED	11/15/01	10/22/01		1/28/02
CIVIL-1	0	SITE PLAN	Comments	CLOSED	9/18/01	8/27/01		
CIVIL-1	1	SITE PLAN	Approved	CLOSED	N/A	10/15/01	10/31/01	10/26/01
CIVIL-1	0	CONSTRUCTION FACILITIES	Comments	OPEN	9/18/01	8/27/01		
CIVIL-1	2	CONSTRUCTION FACILITIES		OPEN		2/27/02		
CIVIL-1	2	CONSTRUCTION FACILITIES	Resubmittal	OPEN		4/25/2002		
CIVIL-1	0	PLOT PLAN	Approved	CLOSED	10/26/01	9/18/01		4/2/02
CIVIL-1	0	STORM WATER PIPING PLAN	Comments	CLOSED	9/18/01	8/27/01		
CIVIL-1	1	STORM WATER PIPING PLAN	Approved	CLOSED	10/26/01	10/10/01		4/2/02
CIVIL-1	0	CLEARING, STRIPPING, AND STOCKPILE PLAN	Comments	CLOSED	9/18/01	8/27/01		
CIVIL-1	1	CLEARING, STRIPPING, AND STOCKPILE PLAN	Approved	CLOSED	N/A	10/19/01	10/31/01	10/26/01
CIVIL-1	0	EROSION CONTROL DETAILS	Comments	CLOSED	9/18/01	8/27/01		
CIVIL-1	1	EROSION CONTROL DETAILS	Approved	CLOSED	N/A	10/19/01	10/31/01	10/26/01
CIVIL-1	0	DRAINAGE DETAILS	Comments	CLOSED	9/18/01	8/27/01		
CIVIL-1	1	DRAINAGE DETAILS	Approved	CLOSED	10/26/01	10/10/01		4/2/02
CIVIL-1	0	ROUGH GRADING DETAILS	Comments	CLOSED	9/18/01	8/27/01		
CIVIL-1	1	ROUGH GRADING DETAILS	Approved	CLOSED	N/A	10/19/01	10/31/01	10/26/01
CIVIL-1	0	DRAINAGE HEADWALL DETAILS	Comments	CLOSED	9/18/01	8/27/01		
CIVIL-1	1	DRAINAGE HEADWALL DETAILS	Approved	CLOSED	N/A	10/19/01	10/31/01	10/26/01
CIVIL-1	0	ROUGH GRADING SECTIONS	Comments	CLOSED	9/18/01	8/27/01		
CIVIL-1	1	ROUGH GRADING SECTIONS	Approved	CLOSED	N/A	10/19/01	10/31/01	10/26/01
CIVIL-1	0	RETAINING WALL PLAN, PROFILE AND DETAILS	Comments	CLOSED	9/18/01	8/27/01		
CIVIL-1	1	RETAINING WALL PLAN, PROFILE AND DETAILS	Comments	CLOSED	10/26/01	10/10/01		
CIVIL-1		RETAINING WALL PLAN, PROFILE AND DETAILS	Comments	CLOSED	3/19/02	3/15/02		
CIVIL-1	FCR-0002	RETAINING WALL PLAN, PROFILE AND DETAILS	Approved	CLOSED	4/8/02			4/8/02
CIVIL-1	0	ROUGH GRADING PLAN PHASE 1	Comments	CLOSED	9/18/01	8/27/01		

STATUS OF CBO SUBMITTALS FOR APRIL 2002

C.R. Number	Title	Description	Status		Comments	Date	Action to CBO	CBO Response	CBO Approval
			Open	Closed					
CIVIL-1	1 ROUGH GRADING PLAN PHASE 1	Approved	CLOSED	N/A	10/15/01	10/31/01			10/26/01
CIVIL-1	2 ROUGH GRADING PLAN PHASE 1	Approved	CLOSED	N/A	10/19/01	10/31/01			10/26/01
CIVIL-1	3 ROUGH GRADING PLAN PHASE 1		CLOSED		10/25/01				
CIVIL-1	0 ROUGH GRADING PLAN PHASE 2	Comments	CLOSED	9/18/01	8/27/01				
CIVIL-1	1 ROUGH GRADING PLAN PHASE 2	Approved	CLOSED	N/A	10/19/01	10/31/01			10/26/01
CIVIL-1	0 MAIN ACCESS ROAD PLAN AND PROFILE	Comments	CLOSED	9/18/01	8/27/01				
CIVIL-1	1 MAIN ACCESS ROAD PLAN AND PROFILE	Approved	CLOSED	N/A	10/19/01	10/31/01			10/26/01
CIVIL-1	0 RAILROAD PLAN AND PROFILE	Comments	CLOSED	9/18/01	8/27/01				
CIVIL-1	1 RAILROAD PLAN AND PROFILE	Approved	CLOSED	N/A	10/19/01	10/31/01			10/26/01
CIVIL-1	0 DESIGN OF REINFORCED CONCRETE RETAINING WALL	Comments	CLOSED	10/26/01	10/10/01				
CIVIL-1	1 EROSION AND SEDIMENT CONTROL AND STORM WATER MANAGEMENT PLAN	Comments	CLOSED	9/18/01	8/27/01				
CIVIL-1	2 EROSION AND SEDIMENT CONTROL AND STORM WATER MANAGEMENT PLAN	Approved	CLOSED	N/A	10/19/01	10/31/01			10/26/01
CIVIL-1	0 ENGINEERING GEOLOGY REPORT	Comments	CLOSED	9/18/01	8/27/01				
CIVIL-1	1 ENGINEERING GEOLOGY REPORT		CLOSED						
CIVIL-1	0 ENGINEERING GEOLOGY REPORT	Approved	CLOSED						
CIVIL-1	0 PRELIMINARY STORM WATER MANAGEMENT BASIN SIZING CALCULATION	Approved	CLOSED	9/18/01	8/27/01				4/2/02
CIVIL-1	0 STORM DRAIN SYSTEM DESIGN	Comments	CLOSED	9/18/01	8/27/01				
CIVIL-1	1 STORM DRAIN SYSTEM DESIGN	Approved	CLOSED	10/26/01	10/10/01				4/2/02
CIVIL-1	0 SUBSURFACE INVESTIGATION AND FOUNDATION REPORT	Comments	CLOSED	9/18/01	8/27/01				
CIVIL-1	1 SUBSURFACE INVESTIGATION AND FOUNDATION REPORT	Comments	CLOSED	N/A	11/30/01				
CIVIL-1	1 SUBSURFACE INVESTIGATION AND FOUNDATION REPORT (SEALED)	Approved	CLOSED	N/A	1/4/02	1/8/02			4/2/02

STATUS OF CBO SUBMITTALS FOR APRIL 2002

CBO Number	Rev	Document Name	Approved by Comments	Open/ Closed	Date Comment	Actual to CBO	CBO Response	CBO Approval
CIVIL-1		MR. KIT YIN NG, RPE CIVIL DRAINING/EROSION CONTROL	Approved	CLOSED		8/3/01	8/7/01	8/7/01
CIVIL-1		MR. BILL PETROSKI, HYDRAULIC ENGINEER (RESUBMITTAL)		CLOSED		12/26/01		
GEO-2		ENGINEERING GEOLOGY REPORT	Approved	CLOSED				4/2/02
STRUC-1	0	FURNISHING AND DELIVERING READY-MIX CONCRETE CONCRETE AND EARTHWORK TESTING SERVICES		OPEN		10/19/01		
STRUC-1	0	SPECIFICATIONS FOR PILING, CONCRETE FILLED PIPE PILES CONCRETE FORMWORK, CURING AND GROUT (Specifications 03100)	Comments	OPEN	3/1/02		10/19/01	
STRUC-1	C	CONCRETE FORMWORK, CURING AND GROUT (Specifications 03100)		OPEN	3/15/02	1/31/02		
STRUC-1	A	CONCRETE CURING (Spec. 03390)	Comments	OPEN	3/15/02	1/31/02		3/26/02
STRUC-1	A	CONCRETE CURING (Spec. 03390)	Approved	CLOSED				3/26/02
STRUC-1	0	GROUT (Spec. 03600)	Comments	OPEN	3/15/02	1/31/02		3/26/02
STRUC-1	0	GROUT (Spec. 03600)	Approved	CLOSED		3/20/02		3/26/02
STRUC-1		CIVIL/STRUCTURAL DESIGN CRITERIA	Comments	OPEN	4/18/02			
STRUC-1		CIVIL/STRUCTURAL DESIGN CRITERIA	Approved	CLOSED				5/15/02
STRUC-1	0	DESIGN OF CONCRETE FILLED PIPE PILES		OPEN		4/2/02		
STRUC-1	0	COMBUSTION TURBINE FOUNDATION DESIGN-UNIT#1		OPEN		4/2/02		
STRUC-1	0	STEAM TURBINE PEDASTAL FOUNDATION DESIGN		OPEN		4/2/02		
STRUC-1	0	MAT FOUNDATION FOR HRSG AND STACK -UNIT#1		OPEN		4/2/02		
STRUC-1	0	COMPOSITE PILE PLAN		OPEN		4/2/02		
STRUC-1	0	PILE SECTIONS AND DETAILS		OPEN		4/2/02		

STATUS OF CBO SUBMITTALS FOR APRIL 2002

Item Number	Rev.	Description	Attachment #	Comment	Date	Actual CBO	CBO Response	CBO Approval
			Comment	Closed				
STRUC-1	0	UNIT#1-COMBUSTION TURBINE GENERATOR PILE LOCATION PLAN		OPEN		4/2/02		
STRUC-1	0	STEAM TURBINE GENERATOR PEDASTAL PILE LOCATION PLAN		OPEN		4/2/02		
STRUC-1	0	HRSG PILE LOCATION PLAN-UNIT#1		OPEN		4/2/02		
STRUC-1	0	PILING DRAWINGS & CALCS. FOR CTG, STG & HRSG FOUNDATIONS		OPEN		4/4/02		
STRUC-1		DRAWINGS & CALCULATIONS FOR CTG FOUNDATIONS		CLOSED		5/31/02		
STRUC-1	0	PILE DRAWINGS & CALCS. FOR HRSG FOUNDATIONS		OPEN		4/12/02		
STRUC-1		PILE DRAWINGS & CALCS. FOR HRSG FOUNDATIONS		CLOSED		5/16/02		
STRUC-1		SEISMIC CALCULATIONS, 200 GALLON RESERVOIR HYDRAULIC POWER UNIT	Approved	CLOSED		5/10/02		
STRUC-1		REPORT ON SEISMIC DESIGN MOTIONS	Approved	CLOSED	N/A			
STRUC-1		DESIGN WIND SPEED	Approved	CLOSED		3/21/02		
STRUC-1		DESIGN REPORT FOR W501F EXHAUST SYSTEM DIFFUSER	Approved	CLOSED		3/19/02		
STRUC-1		GENERAL NOTES AND TYPICAL DRAWINGS	Approved	CLOSED		4/24/02		
STRUC-1	0	CTG UNITS 1&2 FOUNDATION PLAN (CALCS.)		OPEN		4/30/02		
STRUC-1	0	CTG UNITS 1&2 FOUNDATION PLAN (DRAWING S205)		OPEN		4/16/02		
STRUC-1	0	CTG UNITS 1&2 FOUNDATION - SECTIONS (DRAWING S206)		OPEN		4/16/02		
STRUC-1	0	CTG UNITS 1&2 FOUNDATION - SECTION & DETAILS (DRAWING S208)		OPEN		4/16/02		

STATUS OF CBO SUBMITTALS FOR APRIL 2002

CBO Number	Day	Document Title	Attachment Comments	Open/ Closed	Date Entered	Actual to CBO	CBO Response	CBO Approval
STRUC-1	0	CTG UNITS 1&2 FOUNDATION - EMBEDDED ITEMS (DRAWING S210)		OPEN		4/16/02		
STRUC-1		GAS TURBINE DOCUMENT TRANSMITTAL	Comments	OPEN		5/17/02		
STRUC-1	0	STEAM TURBINE GENERATOR FOUNDATION DESIGN		OPEN		5/30/02		
STRUC-1	0	STEAM TURBINE PLATFORM PILE PLAN		OPEN		5/30/02		
MECH-1	B	P&ID FIRE PROTECTION SYSTEM		OPEN		10/31/01		
MECH-1	B	P&ID FIRE PROTECTION SYSTEM		OPEN		10/31/01		
MECH-1	B	P&ID DOMESTIC WATER SYSTEM		OPEN		10/31/01		
MECH-1		P&ID SANITARY WASTE SYSTEM		OPEN		10/31/01		
MECH-1	1	P&ID SYMBOLS AND LEGENDS		OPEN		10/31/01		
MECH-1	1	P&ID SYMBOLS AND LEGENDS		OPEN		10/31/01		
MECH-1	1	P&ID SYMBOLS AND LEGENDS		OPEN		10/31/01		
MECH-1	1	P&ID SYMBOLS AND LEGENDS		OPEN		10/31/01		
MECH-1	1	P&ID SYMBOLS AND LEGENDS		OPEN		10/31/01		
GEN-2	0	CONCRETE WORK		OPEN		10/19/01		
GEN-2	0	EMBEDDED STEEL AND ANCHOR BOLTS		OPEN		10/19/01		
GEN-2	0	PURCHASE AND FABRICATION OF REINFORCING STEEL		OPEN		10/19/01		
GEN-2	1	BECHTEL CBO SUBMITTAL LIST		OPEN		10/17/01		
GEN-2		BECHTEL CBO SUBMITTAL LIST	Comments	CLOSED	10/16/01	9/28/01		
GEN-2		PROPOSED LIST OF DOCUMENTS FOR THE CTG, STG, AND CONDENSER EQUIPMENT FOR SIEMENS WESTINGHOUSE GAS TURBINE DIFFUSER	Comments	OPEN	9/28/01	9/13/01		
GEN-2		MR. ARTHUR B. BUTIC, RESIDENT CIVIL ENGINEER	Approved	CLOSED	8/1/01	8/7/01	8/7/01	

STATUS OF CBO SUBMITTALS FOR APRIL 2002

Submittal Key	Description	Approved/Closed	Open/Closed	Date Comment Init.	Actual to CBO	CBO Response	CBO Approval
GEN-4	MR. SHUKE MIAO, RESIDENT CIVIL ENGINEER (RESUBMITTAL)	Approved	CLOSED		12/12/01	1/17/02	1/17/02
GEN-5	BIOLOGICAL SUMMARY AND ACCREDITATION OF Mr. JAMES THOMPSON FOR SIEMENS-WESTINGHOUSE	Approved	CLOSED	N/A	9/5/01	9/28/01	9/28/01
GEN-5	MR. THOMAS FRANKERT, CIVIL ENGINEER	Approved	CLOSED		8/1/01	8/7/01	8/7/01
GEN-5	MR. MARTIN BALLOD, CIVIL AND DESIGN ENGINEER	Approved	CLOSED		11/26/01	1/18/02	1/18/02
GEN-5	MR. MAHANDRA R. GANDHI, ELECTRICAL ENGINEER	Approved	CLOSED		8/1/01	8/7/01	8/7/01
GEN-5	MR. IRA RUBIN, ELECTRICAL ENGINEER (RESUBMITTAL)	Approved	CLOSED		11/26/01	1/18/02	1/18/02
GEN-5	MR. DEV CHATTOPADHYAY, MECHANICAL ENGINEER	Approved	CLOSED		8/1/01	1/18/02	1/18/02
GEN-5	MR. MIKE MASI, MECHANICAL ENGINEER (RESUBMITTAL)	Approved	CLOSED		11/26/01	1/18/02	1/18/02
GEN-5	MR. IGNACIO AFRANGO'S RESUME, GEO TECH ENGINEER	Approved	CLOSED	N/A	9/4/01	10/11/01	9/28/01
GEN-5	MR. C. BARRY BUTLER AND MR. RICHARD G. WOODARD, GEOTECHNICAL ENGINEERS (RESUBMITTAL)	Approved	CLOSED		12/17/01	1/16/02	1/16/02
GEN-6	MR. DAVID GRAY'S RESUME FOR SIEMENS WESTINGHOUSE	Approved	CLOSED	N/A	9/4/01	9/28/01	9/28/01
GEN-6	MR. JOHN NELSON AND ROMAN REYES, CIVIL ENGINEER RESUMES	Approved	OPEN	N/A	9/28/01	10/11/01	9/28/01



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May 31, 2002

Jim Ferrara
Burns & Roe Enterprises
2000 Crawford Place, Suite 100
Mt. Laurel, NJ 08054

SUBJECT: WILLDAN PLAN CHECK NO. 13254-3010
Condition of Certification STRUC-1
CBO-00031
Gas Turbine Document Transmittal

Dear Mr. Ferrara:

This office reviewed the submittal named above for compliance with the Commission Decision. Note that we have approved the submittal conditional upon submittal of four wet sealed copies of the documents AND use of the correct section view H-H/2, 3, 5, as described in Universal Silencer's response letter to plan review comments (see response to item #3).

If you have any questions, please do not hesitate to call our office.

Very truly yours,

WILLDAN

David Newman
Senior Plans Examiner
Plan Review Coordinator

Enclosures

Cc:



WILLDAN
Serving Public Agencies

WILLDAN - Metcalf Mobilization Office
1430 Koll Circle, Suite 103
San Jose, CA 95113
Tel: (408) 392-9213 Fax: (408) 392-9214

June 10, 2002

California Energy Commission

Energy Facilities Siting and Environmental Protection Division
1516 9th Street, MS 2000
Sacramento, CA 95814-5512

Attention: Mr. Steve Munro, Compliance Project Manager

Subject: 99-AFC-3, Metcalf Energy Center

Dear Mr. Munro,

Attached is a summary status report as of June 10, 2002 for activities involving the Delegate CBO. If you need any further explanation, feel free to give me a call.

With best regards,

Hans (G.J.) Kosten
Deputy CBO, MEC

(858) 342-2378 (cell)
(408) 393-9213 (CBO office)

Distribution:

Calpine: Nick Laporte, Kristen Sipes, Jim Kimura, Ron Chilson, Kevin Didras
Willdan: Jim Guerra, Don Wimberly, David Newman, Eric Moran, Win Wesfall

STATUS REPORT CBO ACTIVITIES, DATED June 10, 2002

Submittal status

Approximately 50 submittal packages have been received and reviewed by the CBO for compliance with the Conditions of Certification. Several of these packages include multiple and repeat document reviews, such as qualifications of registered engineers, drawings and calculations. To date, approximately two-thirds have been or are about to be approved and one-thirds is in various state of review by the CBO or response and revision by the owner.

Temporary Facilities

The CBO has reviewed documentation and inspected the construction trailer offices of Calpine, Siemens/Westinghouse and the CBO office trailer on June 5, 2002. Plans for facilities for other construction purposes, such as temporary electrical power facilities, sewage holding tank, warehouse, hazardous materials storage and fire-water tank were also reviewed and facilities inspected. The CBO has released PG&E to energize the Power facilities and install the meter. Based on the "incomplete", but usable status of some of the temporary facilities, the CBO has given a verbal approval for limited and temporary occupancy of Calpine's construction trailers and warehouse only. Action items that are to be completed by Calpine prior to receiving a final Certificate of Occupancy were provided.

Public Agency Interface

The CBO has held a meeting in the CBO office with Calpine and Mortenson to ensure appropriate interface and involvement of the CBO with local agencies when necessary. Calpine/Mortenson have assured the CBO that the CBO will be kept informed of future contact with local agencies to ensure seamless compliance assurance for the CEC.

Since that time the CBO has attended job site meetings regarding the temporary facilities with Santa Clara Valley Health Department (SCVHD) and San Jose Fire Department (SJFD). The results are that the comments and advice of both agencies have been incorporated in the facilities.

SJFD informed the CBO that the City Attorney of San Jose has advised SJFD to limit their involvement strictly to an advisory role in deference to CEC authority. A current topic for discussion between the CBO and the CEC/CPM is whether or not to expand the Willdan scope to include fire safety/Code review.

Construction Status

Rough grading, including erosion and sediment control, with the exception of storm drain facilities and outfall into Fishers Creek, is complete. Roadwork improvements and lay-

down areas are in place. This scope is defined in Calpine's plans as Phase I. Test piling is to commence by the middle of June and storm drain system with outfall to be constructed thereafter as Phase II. The SWPPP, PMP's, as reviewed by CEC staff have been in place throughout grading operations.

The CBO would like to propose to the CEC the sign-off of partial (Phase-I) Condition of Certification CIVIL-4.

Equipment Receiving

The CBO regularly checks the receiving status, both physically and with Calpine's receiving administrator to conduct timely inspection of project components and black-box verification. The CBO has adopted Calpine's receiving matrix and has added columns to indicate the nature and contents of the delivery and to note which deliveries constitute or include Black-boxes. Those are noted so as to follow-up on completeness with manufacturers data books.

Calpine Interface

The interface and communication with Calpine has been the subject of a special meeting attended by Nick Laporte, Jim Kimura, Kristen Sipes, Ron Chilson and Kevin Didras. Processes, procedures and especially communications have been the focus of discussion with the intent to avert the potential of future non-compliance issues. The communication has been substantially improved and it is expected that with the following phase of physical construction and the on-site availability of a CBO deputy most issues can be dealt with on a real time basis.